

SAFETY DATA SHEET



MammaPrint BluePrint NGS RNA Library Prep (Pre-PCR), Part Number 931281

Section 1. Identification

1.1 Product identifier

Product name : MammaPrint BluePrint NGS RNA Library Prep (Pre-PCR), Part Number 931281

Part no. (chemical kit) : 931281

Part no. :

Agendia NGS Nuclease-Free Water	931282-07
Agendia NGS Fragmentation Mix	931281-01
Agendia NGS 1st Strand Master Mix	931281-02
Agendia NGS 2nd Strand + End Repair Enzyme Mix	931281-03
Agendia NGS 2nd Strand + End Repair Oligo Mix	931281-04
Agendia NGS dA Tailing Master Mix	931281-05
Agendia NGS Oligo Adaptor Mix	931281-06
Agendia NGS Ligation Master Mix	931281-07
Agendia NGS Forward PCR Primer	931281-08
Agendia NGS PCR Master Mix	931281-09
Agendia NGS Uracil DNA Glycosylase (UDG)	931281-10
Agendia NGS Reverse PCR Primer	931281-11

Validation date : 8/25/2020

1.2 Relevant identified uses of the substance or mixture and uses advised against

Material uses : Analytical reagent.

Agendia NGS Nuclease-Free Water	3 ml
Agendia NGS Fragmentation Mix	0.335 ml
Agendia NGS 1st Strand Master Mix	0.154 ml
Agendia NGS 2nd Strand + End Repair Enzyme Mix	0.440 ml
Agendia NGS 2nd Strand + End Repair Oligo Mix	0.09 ml
Agendia NGS dA Tailing Master Mix	0.350 ml
Agendia NGS Oligo Adaptor Mix	0.09 ml
Agendia NGS Ligation Master Mix	0.088 ml
Agendia NGS Forward PCR Primer	0.066 ml
Agendia NGS PCR Master Mix	0.880 ml
Agendia NGS Uracil DNA Glycosylase (UDG)	0.018 ml
Agendia NGS Reverse PCR Primer	0.018 ml

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer : Agendia NV
 Radarweg 60
 1043NT Amsterdam
 The Netherlands
 Telephone: +31 (0)20 462 1510

1.4 Emergency telephone number

In case of emergency : +31 (0)20 462 1510

Section 2. Hazards identification

2.1 Classification of the substance or mixture

OSHA/HCS status	: Agendia NGS Nuclease-Free Water	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	Agendia NGS Fragmentation Mix	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	Agendia NGS 1st Strand Master Mix	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
	Agendia NGS 2nd Strand + End Repair Oligo Mix	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	Agendia NGS dA Tailing Master Mix	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
	Agendia NGS Oligo Adaptor Mix	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	Agendia NGS Ligation Master Mix	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
	Agendia NGS Forward PCR Primer	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	Agendia NGS PCR Master Mix	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	Agendia NGS Uracil DNA Glycosylase (UDG)	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
	Agendia NGS Reverse PCR Primer	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture

Section 2. Hazards identification

Agendia NGS 1st Strand Master Mix

H320 EYE IRRITATION - Category 2B

Agendia NGS 2nd Strand + End Repair Enzyme Mix

H320 EYE IRRITATION - Category 2B

Agendia NGS dA Tailing Master Mix

H319 EYE IRRITATION - Category 2A

Agendia NGS Ligation Master Mix

H319 EYE IRRITATION - Category 2A

Agendia NGS Uracil DNA Glycosylase (UDG)

H320 EYE IRRITATION - Category 2B

Agendia NGS 1st Strand Master Mix	Percentage of the mixture consisting of ingredient (s) of unknown hazards to the aquatic environment: 2%
Agendia NGS dA Tailing Master Mix	Percentage of the mixture consisting of ingredient (s) of unknown hazards to the aquatic environment: 3.6%
Agendia NGS Ligation Master Mix	Percentage of the mixture consisting of ingredient (s) of unknown hazards to the aquatic environment: 3.6%
Agendia NGS PCR Master Mix	Percentage of the mixture consisting of ingredient (s) of unknown hazards to the aquatic environment: 2%
Agendia NGS Uracil DNA Glycosylase (UDG)	Percentage of the mixture consisting of ingredient (s) of unknown hazards to the aquatic environment: 2%

2.2 GHS label elements

Hazard pictograms

: Agendia NGS dA Tailing Master Mix



Agendia NGS Ligation Master Mix



Signal word

: Agendia NGS Nuclease-Free Water	No signal word.
Agendia NGS Fragmentation Mix	No signal word.
Agendia NGS 1st Strand Master Mix	Warning
Agendia NGS 2nd Strand + End Repair Enzyme Mix	Warning
Agendia NGS 2nd Strand + End Repair Oligo Mix	No signal word.
Agendia NGS dA Tailing Master Mix	Warning

Section 2. Hazards identification

	Agendia NGS Oligo Adaptor Mix	No signal word.
	Agendia NGS Ligation Master Mix	Warning
	Agendia NGS Forward PCR Primer	No signal word.
	Agendia NGS PCR Master Mix	No signal word.
	Agendia NGS Uracil DNA Glycosylase (UDG)	Warning
	Agendia NGS Reverse PCR Primer	No signal word.
Hazard statements	: Agendia NGS Nuclease-Free Water	No known significant effects or critical hazards.
	Agendia NGS Fragmentation Mix	No known significant effects or critical hazards.
	Agendia NGS 1st Strand Master Mix	H320 - Causes eye irritation.
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	H320 - Causes eye irritation.
	Agendia NGS 2nd Strand + End Repair Oligo Mix	No known significant effects or critical hazards.
	Agendia NGS dA Tailing Master Mix	H319 - Causes serious eye irritation.
	Agendia NGS Oligo Adaptor Mix	No known significant effects or critical hazards.
	Agendia NGS Ligation Master Mix	H319 - Causes serious eye irritation.
	Agendia NGS Forward PCR Primer	No known significant effects or critical hazards.
	Agendia NGS PCR Master Mix	No known significant effects or critical hazards.
	Agendia NGS Uracil DNA Glycosylase (UDG)	H320 - Causes eye irritation.
	Agendia NGS Reverse PCR Primer	No known significant effects or critical hazards.
Precautionary statements		
Prevention	: Agendia NGS Nuclease-Free Water	Not applicable.
	Agendia NGS Fragmentation Mix	Not applicable.
	Agendia NGS 1st Strand Master Mix	Not applicable.
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	Not applicable.
	Agendia NGS 2nd Strand + End Repair Oligo Mix	Not applicable.
	Agendia NGS dA Tailing Master Mix	P280 - Wear eye or face protection.
	Agendia NGS Oligo Adaptor Mix	Not applicable.
	Agendia NGS Ligation Master Mix	P280 - Wear eye or face protection.
	Agendia NGS Forward PCR Primer	Not applicable.
	Agendia NGS PCR Master Mix	Not applicable.
	Agendia NGS Uracil DNA Glycosylase (UDG)	Not applicable.
	Agendia NGS Reverse PCR Primer	Not applicable.
Response	: Agendia NGS Nuclease-Free Water	Not applicable.
	Agendia NGS Fragmentation Mix	Not applicable.
	Agendia NGS 1st Strand Master Mix	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

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		contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention. Not applicable.
	Agendia NGS 2nd Strand + End Repair Oligo Mix Agendia NGS dA Tailing Master Mix	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
	Agendia NGS Oligo Adaptor Mix Agendia NGS Ligation Master Mix	Not applicable. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
	Agendia NGS Forward PCR Primer Agendia NGS PCR Master Mix Agendia NGS Uracil DNA Glycosylase (UDG)	Not applicable. Not applicable. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
	Agendia NGS Reverse PCR Primer	Not applicable.
Storage	: Agendia NGS Nuclease-Free Water Agendia NGS Fragmentation Mix Agendia NGS 1st Strand Master Mix Agendia NGS 2nd Strand + End Repair Enzyme Mix Agendia NGS 2nd Strand + End Repair Oligo Mix Agendia NGS dA Tailing Master Mix Agendia NGS Oligo Adaptor Mix Agendia NGS Ligation Master Mix Agendia NGS Forward PCR Primer Agendia NGS PCR Master Mix Agendia NGS Uracil DNA Glycosylase (UDG) Agendia NGS Reverse PCR Primer	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
Disposal	: Agendia NGS Nuclease-Free Water Agendia NGS Fragmentation Mix Agendia NGS 1st Strand Master Mix Agendia NGS 2nd Strand + End Repair Enzyme Mix Agendia NGS 2nd Strand + End Repair Oligo Mix Agendia NGS dA Tailing Master	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.

Section 2. Hazards identification

	Mix	
	Agendia NGS Oligo Adaptor Mix	Not applicable.
	Agendia NGS Ligation Master Mix	Not applicable.
	Agendia NGS Forward PCR Primer	Not applicable.
	Agendia NGS PCR Master Mix	Not applicable.
	Agendia NGS Uracil DNA Glycosylase (UDG)	Not applicable.
	Agendia NGS Reverse PCR Primer	Not applicable.
Supplemental label elements	: Agendia NGS Nuclease-Free Water	None known.
	Agendia NGS Fragmentation Mix	None known.
	Agendia NGS 1st Strand Master Mix	None known.
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	None known.
	Agendia NGS 2nd Strand + End Repair Oligo Mix	None known.
	Agendia NGS dA Tailing Master Mix	None known.
	Agendia NGS Oligo Adaptor Mix	None known.
	Agendia NGS Ligation Master Mix	None known.
	Agendia NGS Forward PCR Primer	None known.
	Agendia NGS PCR Master Mix	None known.
	Agendia NGS Uracil DNA Glycosylase (UDG)	None known.
	Agendia NGS Reverse PCR Primer	None known.

2.3 Other hazards

Hazards not otherwise classified	: Agendia NGS Nuclease-Free Water	None known.
	Agendia NGS Fragmentation Mix	None known.
	Agendia NGS 1st Strand Master Mix	None known.
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	None known.
	Agendia NGS 2nd Strand + End Repair Oligo Mix	None known.
	Agendia NGS dA Tailing Master Mix	None known.
	Agendia NGS Oligo Adaptor Mix	None known.
	Agendia NGS Ligation Master Mix	None known.
	Agendia NGS Forward PCR Primer	None known.
	Agendia NGS PCR Master Mix	None known.
	Agendia NGS Uracil DNA Glycosylase (UDG)	None known.
	Agendia NGS Reverse PCR Primer	None known.

Section 3. Composition/information on ingredients

Substance/mixture	: Agendia NGS Nuclease-Free Water	Substance
	Agendia NGS Fragmentation Mix	Mixture
	Agendia NGS 1st Strand Master Mix	Mixture
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	Mixture
	Agendia NGS 2nd Strand + End Repair Oligo Mix	Mixture
	Agendia NGS dA Tailing Master Mix	Mixture

Section 3. Composition/information on ingredients

Agendia NGS Oligo Adaptor Mix	Mixture
Agendia NGS Ligation Master Mix	Mixture
Agendia NGS Forward PCR Primer	Mixture
Agendia NGS PCR Master Mix	Mixture
Agendia NGS Uracil DNA Glycosylase (UDG)	Mixture
Agendia NGS Reverse PCR Primer	Mixture

Ingredient name	%	CAS number
Agendia NGS Nuclease-Free Water Water	100	7732-18-5
Agendia NGS 1st Strand Master Mix Glycerol	≥10 - ≤25	56-81-5
Agendia NGS 2nd Strand + End Repair Enzyme Mix Glycerol Potassium chloride	≥10 - ≤25 ≤3	56-81-5 7447-40-7
Agendia NGS dA Tailing Master Mix Glycerol Polyethylene glycol 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	≥10 - ≤25 ≥10 - ≤25 ≤3	56-81-5 25322-68-3 1185-53-1
Agendia NGS Ligation Master Mix Polyethylene glycol 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	≥10 - ≤25 ≤3	25322-68-3 1185-53-1
Agendia NGS PCR Master Mix Glycerol	<10	56-81-5
Agendia NGS Uracil DNA Glycosylase (UDG) Glycerol	≥50 - ≤75	56-81-5

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

4.1 Description of necessary first aid measures

Eye contact	: Agendia NGS Nuclease-Free Water	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	Agendia NGS Fragmentation Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	Agendia NGS 1st Strand Master Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.
	Agendia NGS 2nd Strand + End	Immediately flush eyes with plenty of water,

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Repair Enzyme Mix	occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.
Agendia NGS 2nd Strand + End Repair Oligo Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Agendia NGS dA Tailing Master Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Agendia NGS Oligo Adaptor Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Agendia NGS Ligation Master Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Agendia NGS Forward PCR Primer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Agendia NGS PCR Master Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Agendia NGS Uracil DNA Glycosylase (UDG)	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.
Agendia NGS Reverse PCR Primer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation : Agendia NGS Nuclease-Free Water	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Agendia NGS Fragmentation Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Agendia NGS 1st Strand Master Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Agendia NGS 2nd Strand + End Repair Enzyme Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not

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	breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Agendia NGS 2nd Strand + End Repair Oligo Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Agendia NGS dA Tailing Master Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Agendia NGS Oligo Adaptor Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Agendia NGS Ligation Master Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Agendia NGS Forward PCR Primer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Agendia NGS PCR Master Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Agendia NGS Uracil DNA Glycosylase (UDG)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be

Section 4. First aid measures

Skin contact

		dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
	Agendia NGS Reverse PCR Primer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	: Agendia NGS Nuclease-Free Water	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Agendia NGS Fragmentation Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Agendia NGS 1st Strand Master Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	Agendia NGS 2nd Strand + End Repair Oligo Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Agendia NGS dA Tailing Master Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	Agendia NGS Oligo Adaptor Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Agendia NGS Ligation Master Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	Agendia NGS Forward PCR Primer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Agendia NGS PCR Master Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Agendia NGS Uracil DNA Glycosylase (UDG)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	Agendia NGS Reverse PCR Primer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

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Ingestion

: Agendia NGS Nuclease-Free Water	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Agendia NGS Fragmentation Mix	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Agendia NGS 1st Strand Master Mix	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Agendia NGS 2nd Strand + End Repair Enzyme Mix	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Agendia NGS 2nd Strand + End Repair Oligo Mix	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Agendia NGS dA Tailing Master Mix	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting

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	may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Agendia NGS Oligo Adaptor Mix	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Agendia NGS Ligation Master Mix	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Agendia NGS Forward PCR Primer	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Agendia NGS PCR Master Mix	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Agendia NGS Uracil DNA Glycosylase (UDG)	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person.

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Agendia NGS Reverse PCR
Primer

If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact

- | | | |
|---|--|---|
| : | Agendia NGS Nuclease-Free Water | No known significant effects or critical hazards. |
| | Agendia NGS Fragmentation Mix | No known significant effects or critical hazards. |
| | Agendia NGS 1st Strand Master Mix | Causes eye irritation. |
| | Agendia NGS 2nd Strand + End Repair Enzyme Mix | Causes eye irritation. |
| | Agendia NGS 2nd Strand + End Repair Oligo Mix | No known significant effects or critical hazards. |
| | Agendia NGS dA Tailing Master Mix | Causes serious eye irritation. |
| | Agendia NGS Oligo Adaptor Mix | No known significant effects or critical hazards. |
| | Agendia NGS Ligation Master Mix | Causes serious eye irritation. |
| | Agendia NGS Forward PCR Primer | No known significant effects or critical hazards. |
| | Agendia NGS PCR Master Mix | No known significant effects or critical hazards. |
| | Agendia NGS Uracil DNA Glycosylase (UDG) | Causes eye irritation. |
| | Agendia NGS Reverse PCR Primer | No known significant effects or critical hazards. |

Inhalation

- | | | |
|---|--|---|
| : | Agendia NGS Nuclease-Free Water | No known significant effects or critical hazards. |
| | Agendia NGS Fragmentation Mix | No known significant effects or critical hazards. |
| | Agendia NGS 1st Strand Master Mix | No known significant effects or critical hazards. |
| | Agendia NGS 2nd Strand + End Repair Enzyme Mix | No known significant effects or critical hazards. |
| | Agendia NGS 2nd Strand + End Repair Oligo Mix | No known significant effects or critical hazards. |
| | Agendia NGS dA Tailing Master Mix | No known significant effects or critical hazards. |
| | Agendia NGS Oligo Adaptor Mix | No known significant effects or critical hazards. |
| | Agendia NGS Ligation Master Mix | No known significant effects or critical hazards. |
| | Agendia NGS Forward PCR Primer | No known significant effects or critical hazards. |
| | Agendia NGS PCR Master Mix | No known significant effects or critical hazards. |
| | Agendia NGS Uracil DNA Glycosylase (UDG) | No known significant effects or critical hazards. |
| | Agendia NGS Reverse PCR Primer | No known significant effects or critical hazards. |

Section 4. First aid measures

Skin contact	: Agendia NGS Nuclease-Free Water	No known significant effects or critical hazards.	
	Agendia NGS Fragmentation Mix	No known significant effects or critical hazards.	
	Agendia NGS 1st Strand Master Mix	No known significant effects or critical hazards.	
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	No known significant effects or critical hazards.	
	Agendia NGS 2nd Strand + End Repair Oligo Mix	No known significant effects or critical hazards.	
	Agendia NGS dA Tailing Master Mix	No known significant effects or critical hazards.	
	Agendia NGS Oligo Adaptor Mix	No known significant effects or critical hazards.	
	Agendia NGS Ligation Master Mix	No known significant effects or critical hazards.	
	Agendia NGS Forward PCR Primer	No known significant effects or critical hazards.	
	Agendia NGS PCR Master Mix	No known significant effects or critical hazards.	
	Agendia NGS Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.	
	Agendia NGS Reverse PCR Primer	No known significant effects or critical hazards.	
	Ingestion	: Agendia NGS Nuclease-Free Water	No known significant effects or critical hazards.
		Agendia NGS Fragmentation Mix	No known significant effects or critical hazards.
		Agendia NGS 1st Strand Master Mix	No known significant effects or critical hazards.
Agendia NGS 2nd Strand + End Repair Enzyme Mix		No known significant effects or critical hazards.	
Agendia NGS 2nd Strand + End Repair Oligo Mix		No known significant effects or critical hazards.	
Agendia NGS dA Tailing Master Mix		No known significant effects or critical hazards.	
Agendia NGS Oligo Adaptor Mix		No known significant effects or critical hazards.	
Agendia NGS Ligation Master Mix		No known significant effects or critical hazards.	
Agendia NGS Forward PCR Primer		No known significant effects or critical hazards.	
Agendia NGS PCR Master Mix		No known significant effects or critical hazards.	
Agendia NGS Uracil DNA Glycosylase (UDG)		No known significant effects or critical hazards.	
Agendia NGS Reverse PCR Primer		No known significant effects or critical hazards.	
<u>Over-exposure signs/symptoms</u>			
Eye contact		: Agendia NGS Nuclease-Free Water	No specific data.
		Agendia NGS Fragmentation Mix	No specific data.
	Agendia NGS 1st Strand Master Mix	Adverse symptoms may include the following: irritation watering redness	
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	Adverse symptoms may include the following: irritation watering redness	
	Agendia NGS 2nd Strand + End Repair Oligo Mix	No specific data.	
	Agendia NGS dA Tailing Master Mix	Adverse symptoms may include the following: pain or irritation watering	

Section 4. First aid measures

	Agendia NGS Oligo Adaptor Mix	redness No specific data.
	Agendia NGS Ligation Master Mix	Adverse symptoms may include the following: pain or irritation watering redness
	Agendia NGS Forward PCR Primer	No specific data.
	Agendia NGS PCR Master Mix	No specific data.
	Agendia NGS Uracil DNA Glycosylase (UDG)	Adverse symptoms may include the following: irritation watering redness
	Agendia NGS Reverse PCR Primer	No specific data.
Inhalation	: Agendia NGS Nuclease-Free Water	No specific data.
	Agendia NGS Fragmentation Mix	No specific data.
	Agendia NGS 1st Strand Master Mix	No specific data.
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	No specific data.
	Agendia NGS 2nd Strand + End Repair Oligo Mix	No specific data.
	Agendia NGS dA Tailing Master Mix	No specific data.
	Agendia NGS Oligo Adaptor Mix	No specific data.
	Agendia NGS Ligation Master Mix	No specific data.
	Agendia NGS Forward PCR Primer	No specific data.
	Agendia NGS PCR Master Mix	No specific data.
	Agendia NGS Uracil DNA Glycosylase (UDG)	No specific data.
	Agendia NGS Reverse PCR Primer	No specific data.
Skin contact	: Agendia NGS Nuclease-Free Water	No specific data.
	Agendia NGS Fragmentation Mix	No specific data.
	Agendia NGS 1st Strand Master Mix	No specific data.
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	No specific data.
	Agendia NGS 2nd Strand + End Repair Oligo Mix	No specific data.
	Agendia NGS dA Tailing Master Mix	No specific data.
	Agendia NGS Oligo Adaptor Mix	No specific data.
	Agendia NGS Ligation Master Mix	No specific data.
	Agendia NGS Forward PCR Primer	No specific data.
	Agendia NGS PCR Master Mix	No specific data.
	Agendia NGS Uracil DNA Glycosylase (UDG)	No specific data.
	Agendia NGS Reverse PCR Primer	No specific data.

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Ingestion	: Agendia NGS Nuclease-Free Water	No specific data.
	Agendia NGS Fragmentation Mix	No specific data.
	Agendia NGS 1st Strand Master Mix	No specific data.
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	No specific data.
	Agendia NGS 2nd Strand + End Repair Oligo Mix	No specific data.
	Agendia NGS dA Tailing Master Mix	No specific data.
	Agendia NGS Oligo Adaptor Mix	No specific data.
	Agendia NGS Ligation Master Mix	No specific data.
	Agendia NGS Forward PCR Primer	No specific data.
	Agendia NGS PCR Master Mix	No specific data.
	Agendia NGS Uracil DNA Glycosylase (UDG)	No specific data.
	Agendia NGS Reverse PCR Primer	No specific data.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	: Agendia NGS Nuclease-Free Water	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Agendia NGS Fragmentation Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Agendia NGS 1st Strand Master Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Agendia NGS 2nd Strand + End Repair Oligo Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Agendia NGS dA Tailing Master Mix	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	Agendia NGS Oligo Adaptor Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Agendia NGS Ligation Master Mix	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	Agendia NGS Forward PCR Primer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Agendia NGS PCR Master Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Agendia NGS Uracil DNA Glycosylase (UDG)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Agendia NGS Reverse PCR Primer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been

Section 4. First aid measures

		ingested or inhaled.
Specific treatments	: Agendia NGS Nuclease-Free Water	No specific treatment.
	Agendia NGS Fragmentation Mix	No specific treatment.
	Agendia NGS 1st Strand Master Mix	No specific treatment.
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	No specific treatment.
	Agendia NGS 2nd Strand + End Repair Oligo Mix	No specific treatment.
	Agendia NGS dA Tailing Master Mix	No specific treatment.
	Agendia NGS Oligo Adaptor Mix	No specific treatment.
	Agendia NGS Ligation Master Mix	No specific treatment.
	Agendia NGS Forward PCR Primer	No specific treatment.
	Agendia NGS PCR Master Mix	No specific treatment.
	Agendia NGS Uracil DNA Glycosylase (UDG)	No specific treatment.
	Agendia NGS Reverse PCR Primer	No specific treatment.
Protection of first-aiders	: Agendia NGS Nuclease-Free Water	No action shall be taken involving any personal risk or without suitable training.
	Agendia NGS Fragmentation Mix	No action shall be taken involving any personal risk or without suitable training.
	Agendia NGS 1st Strand Master Mix	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	Agendia NGS 2nd Strand + End Repair Oligo Mix	No action shall be taken involving any personal risk or without suitable training.
	Agendia NGS dA Tailing Master Mix	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	Agendia NGS Oligo Adaptor Mix	No action shall be taken involving any personal risk or without suitable training.
	Agendia NGS Ligation Master Mix	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	Agendia NGS Forward PCR Primer	No action shall be taken involving any personal risk or without suitable training.
	Agendia NGS PCR Master Mix	No action shall be taken involving any personal risk or without suitable training.
	Agendia NGS Uracil DNA Glycosylase (UDG)	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	Agendia NGS Reverse PCR Primer	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	: Agendia NGS Nuclease-Free Water	Use an extinguishing agent suitable for the surrounding fire.	
	Agendia NGS Fragmentation Mix	Use an extinguishing agent suitable for the surrounding fire.	
	Agendia NGS 1st Strand Master Mix	Use an extinguishing agent suitable for the surrounding fire.	
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	Use an extinguishing agent suitable for the surrounding fire.	
	Agendia NGS 2nd Strand + End Repair Oligo Mix	Use an extinguishing agent suitable for the surrounding fire.	
	Agendia NGS dA Tailing Master Mix	Use an extinguishing agent suitable for the surrounding fire.	
	Agendia NGS Oligo Adaptor Mix	Use an extinguishing agent suitable for the surrounding fire.	
	Agendia NGS Ligation Master Mix	Use an extinguishing agent suitable for the surrounding fire.	
	Agendia NGS Forward PCR Primer	Use an extinguishing agent suitable for the surrounding fire.	
	Agendia NGS PCR Master Mix	Use an extinguishing agent suitable for the surrounding fire.	
	Agendia NGS Uracil DNA Glycosylase (UDG)	Use an extinguishing agent suitable for the surrounding fire.	
	Agendia NGS Reverse PCR Primer	Use an extinguishing agent suitable for the surrounding fire.	
	Unsuitable extinguishing media	: Agendia NGS Nuclease-Free Water	None known.
		Agendia NGS Fragmentation Mix	None known.
		Agendia NGS 1st Strand Master Mix	None known.
Agendia NGS 2nd Strand + End Repair Enzyme Mix		None known.	
Agendia NGS 2nd Strand + End Repair Oligo Mix		None known.	
Agendia NGS dA Tailing Master Mix		None known.	
Agendia NGS Oligo Adaptor Mix		None known.	
Agendia NGS Ligation Master Mix		None known.	
Agendia NGS Forward PCR Primer		None known.	
Agendia NGS PCR Master Mix		None known.	
Agendia NGS Uracil DNA Glycosylase (UDG)	None known.		
Agendia NGS Reverse PCR Primer	None known.		

5.2 Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	: Agendia NGS Nuclease-Free Water	In a fire or if heated, a pressure increase will occur and the container may burst.
	Agendia NGS Fragmentation Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
	Agendia NGS 1st Strand Master Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
	Agendia NGS 2nd Strand + End Repair Oligo Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
	Agendia NGS dA Tailing Master	In a fire or if heated, a pressure increase will occur

Section 5. Fire-fighting measures

Hazardous thermal decomposition products

Mix	and the container may burst.
Agendia NGS Oligo Adaptor Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
Agendia NGS Ligation Master Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
Agendia NGS Forward PCR Primer	In a fire or if heated, a pressure increase will occur and the container may burst.
Agendia NGS PCR Master Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
Agendia NGS Uracil DNA Glycosylase (UDG)	In a fire or if heated, a pressure increase will occur and the container may burst.
Agendia NGS Reverse PCR Primer	In a fire or if heated, a pressure increase will occur and the container may burst.
: Agendia NGS Nuclease-Free Water	No specific data.
Agendia NGS Fragmentation Mix	No specific data.
Agendia NGS 1st Strand Master Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide
Agendia NGS 2nd Strand + End Repair Enzyme Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds metal oxide/oxides
Agendia NGS 2nd Strand + End Repair Oligo Mix	No specific data.
Agendia NGS dA Tailing Master Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds
Agendia NGS Oligo Adaptor Mix	No specific data.
Agendia NGS Ligation Master Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds
Agendia NGS Forward PCR Primer	No specific data.
Agendia NGS PCR Master Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide
Agendia NGS Uracil DNA Glycosylase (UDG)	Decomposition products may include the following materials: carbon dioxide carbon monoxide
Agendia NGS Reverse PCR Primer	No specific data.

5.3 Advice for firefighters

Section 5. Fire-fighting measures

Special protective actions for fire-fighters	: Agendia NGS Nuclease-Free Water	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	Agendia NGS Fragmentation Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	Agendia NGS 1st Strand Master Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	Agendia NGS 2nd Strand + End Repair Oligo Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	Agendia NGS dA Tailing Master Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	Agendia NGS Oligo Adaptor Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	Agendia NGS Ligation Master Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	Agendia NGS Forward PCR Primer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	Agendia NGS PCR Master Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	Agendia NGS Uracil DNA Glycosylase (UDG)	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	Agendia NGS Reverse PCR Primer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	: Agendia NGS Nuclease-Free Water	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Agendia NGS Fragmentation Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Agendia NGS 1st Strand Master Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive

Section 5. Fire-fighting measures

Agendia NGS 2nd Strand + End Repair Enzyme Mix	pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Agendia NGS 2nd Strand + End Repair Oligo Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Agendia NGS dA Tailing Master Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Agendia NGS Oligo Adaptor Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Agendia NGS Ligation Master Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Agendia NGS Forward PCR Primer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Agendia NGS PCR Master Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Agendia NGS Uracil DNA Glycosylase (UDG)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Agendia NGS Reverse PCR Primer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: Agendia NGS Nuclease-Free Water	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
	Agendia NGS Fragmentation Mix	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
	Agendia NGS 1st Strand Master Mix	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate

Section 6. Accidental release measures

Agendia NGS 2nd Strand + End Repair Enzyme Mix

ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Agendia NGS 2nd Strand + End Repair Oligo Mix

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

Agendia NGS dA Tailing Master Mix

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Agendia NGS Oligo Adaptor Mix

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

Agendia NGS Ligation Master Mix

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Agendia NGS Forward PCR Primer

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

Agendia NGS PCR Master Mix

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

Agendia NGS Uracil DNA Glycosylase (UDG)

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid

Section 6. Accidental release measures

	<p>breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.</p>
<p>Agendia NGS Reverse PCR Primer</p>	<p>No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.</p>
<p>For emergency responders : Agendia NGS Nuclease-Free Water</p>	<p>If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".</p>
<p>Agendia NGS Fragmentation Mix</p>	<p>If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".</p>
<p>Agendia NGS 1st Strand Master Mix</p>	<p>If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".</p>
<p>Agendia NGS 2nd Strand + End Repair Enzyme Mix</p>	<p>If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".</p>
<p>Agendia NGS 2nd Strand + End Repair Oligo Mix</p>	<p>If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".</p>
<p>Agendia NGS dA Tailing Master Mix</p>	<p>If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".</p>
<p>Agendia NGS Oligo Adaptor Mix</p>	<p>If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".</p>
<p>Agendia NGS Ligation Master Mix</p>	<p>If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".</p>
<p>Agendia NGS Forward PCR Primer</p>	<p>If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".</p>
<p>Agendia NGS PCR Master Mix</p>	<p>If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".</p>
<p>Agendia NGS Uracil DNA Glycosylase (UDG)</p>	<p>If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".</p>
<p>Agendia NGS Reverse PCR Primer</p>	<p>If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".</p>

Section 6. Accidental release measures

6.2 Environmental precautions

: Agendia NGS Nuclease-Free Water	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Agendia NGS Fragmentation Mix	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Agendia NGS 1st Strand Master Mix	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Agendia NGS 2nd Strand + End Repair Enzyme Mix	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Agendia NGS 2nd Strand + End Repair Oligo Mix	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Agendia NGS dA Tailing Master Mix	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Agendia NGS Oligo Adaptor Mix	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Agendia NGS Ligation Master Mix	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Agendia NGS Forward PCR Primer	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Agendia NGS PCR Master Mix	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Agendia NGS Uracil DNA Glycosylase (UDG)	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Agendia NGS Reverse PCR Primer	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has

Section 6. Accidental release measures

caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up	: Agendia NGS Nuclease-Free Water	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	Agendia NGS Fragmentation Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	Agendia NGS 1st Strand Master Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	Agendia NGS 2nd Strand + End Repair Oligo Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	Agendia NGS dA Tailing Master Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	Agendia NGS Oligo Adaptor Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	Agendia NGS Ligation Master Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	Agendia NGS Forward PCR Primer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 6. Accidental release measures

Agendia NGS PCR Master Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Agendia NGS Uracil DNA Glycosylase (UDG)	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Agendia NGS Reverse PCR Primer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

7.1 Precautions for safe handling

Protective measures	:	Agendia NGS Nuclease-Free Water	Put on appropriate personal protective equipment (see Section 8).
		Agendia NGS Fragmentation Mix	Put on appropriate personal protective equipment (see Section 8).
		Agendia NGS 1st Strand Master Mix	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
		Agendia NGS 2nd Strand + End Repair Enzyme Mix	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
		Agendia NGS 2nd Strand + End Repair Oligo Mix	Put on appropriate personal protective equipment (see Section 8).
		Agendia NGS dA Tailing Master Mix	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
		Agendia NGS Oligo Adaptor Mix	Put on appropriate personal protective equipment (see Section 8).
		Agendia NGS Ligation Master Mix	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept

Section 7. Handling and storage

tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Agendia NGS Forward PCR Primer Put on appropriate personal protective equipment (see Section 8).

Agendia NGS PCR Master Mix Put on appropriate personal protective equipment (see Section 8).

Agendia NGS Uracil DNA Glycosylase (UDG) Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Agendia NGS Reverse PCR Primer Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene

: Agendia NGS Nuclease-Free Water Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Agendia NGS Fragmentation Mix Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Agendia NGS 1st Strand Master Mix Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Agendia NGS 2nd Strand + End Repair Enzyme Mix Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Agendia NGS 2nd Strand + End Repair Oligo Mix Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Agendia NGS dA Tailing Master Mix Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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Agendia NGS Oligo Adaptor Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Agendia NGS Ligation Master Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Agendia NGS Forward PCR Primer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Agendia NGS PCR Master Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Agendia NGS Uracil DNA Glycosylase (UDG)	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Agendia NGS Reverse PCR Primer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

: Agendia NGS Nuclease-Free Water	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
Agendia NGS Fragmentation Mix	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food

Section 7. Handling and storage

Agendia NGS 1st Strand Master Mix

and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Agendia NGS 2nd Strand + End Repair Enzyme Mix

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Agendia NGS 2nd Strand + End Repair Oligo Mix

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Agendia NGS dA Tailing Master Mix

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Agendia NGS Oligo Adaptor Mix

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled

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Agendia NGS Ligation Master Mix	containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
Agendia NGS Forward PCR Primer	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
Agendia NGS PCR Master Mix	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
Agendia NGS Uracil DNA Glycosylase (UDG)	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
Agendia NGS Reverse PCR Primer	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

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7.3 Specific end use(s)

Recommendations	: Agendia NGS Nuclease-Free Water Agendia NGS Fragmentation Mix Agendia NGS 1st Strand Master Mix Agendia NGS 2nd Strand + End Repair Enzyme Mix Agendia NGS 2nd Strand + End Repair Oligo Mix Agendia NGS dA Tailing Master Mix Agendia NGS Oligo Adaptor Mix Agendia NGS Ligation Master Mix Agendia NGS Forward PCR Primer Agendia NGS PCR Master Mix Agendia NGS Uracil DNA Glycosylase (UDG) Agendia NGS Reverse PCR Primer	Industrial applications, Professional applications. Industrial applications, Professional applications. Industrial applications, Professional applications. Industrial applications, Professional applications. Industrial applications, Professional applications. Industrial applications, Professional applications. Industrial applications, Professional applications. Industrial applications, Professional applications. Industrial applications, Professional applications. Industrial applications, Professional applications. Industrial applications, Professional applications. Industrial applications, Professional applications. Industrial applications, Professional applications.
Industrial sector specific solutions	: Agendia NGS Nuclease-Free Water Agendia NGS Fragmentation Mix Agendia NGS 1st Strand Master Mix Agendia NGS 2nd Strand + End Repair Enzyme Mix Agendia NGS 2nd Strand + End Repair Oligo Mix Agendia NGS dA Tailing Master Mix Agendia NGS Oligo Adaptor Mix Agendia NGS Ligation Master Mix Agendia NGS Forward PCR Primer Agendia NGS PCR Master Mix Agendia NGS Uracil DNA Glycosylase (UDG) Agendia NGS Reverse PCR Primer	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Agendia NGS Nuclease-Free Water Water	None.
Agendia NGS 1st Strand Master Mix Glycerol	OSHA PEL 1989 (United States, 3/1989). TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction TWA: 10 mg/m ³ 8 hours. Form: Total dust OSHA PEL (United States, 5/2018). TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction TWA: 15 mg/m ³ 8 hours. Form: Total dust

Section 8. Exposure controls/personal protection

<p>Agendia NGS 2nd Strand + End Repair Enzyme Mix Glycerol</p> <p>Potassium chloride</p>	<p>OSHA PEL 1989 (United States, 3/1989). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 10 mg/m³ 8 hours. Form: Total dust OSHA PEL (United States, 5/2018). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 15 mg/m³ 8 hours. Form: Total dust None.</p>
<p>Agendia NGS dA Tailing Master Mix Glycerol</p> <p>Polyethylene glycol</p> <p>2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride</p>	<p>OSHA PEL 1989 (United States, 3/1989). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 10 mg/m³ 8 hours. Form: Total dust OSHA PEL (United States, 5/2018). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 15 mg/m³ 8 hours. Form: Total dust AIHA WEEL (United States, 7/2018). TWA: 10 mg/m³ 8 hours. None.</p>
<p>Agendia NGS Ligation Master Mix Polyethylene glycol</p> <p>2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride</p>	<p>AIHA WEEL (United States, 7/2018). TWA: 10 mg/m³ 8 hours. None.</p>
<p>Agendia NGS PCR Master Mix Glycerol</p>	<p>OSHA PEL 1989 (United States, 3/1989). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 10 mg/m³ 8 hours. Form: Total dust OSHA PEL (United States, 5/2018). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 15 mg/m³ 8 hours. Form: Total dust</p>
<p>Agendia NGS Uracil DNA Glycosylase (UDG) Glycerol</p>	<p>OSHA PEL 1989 (United States, 3/1989). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 10 mg/m³ 8 hours. Form: Total dust OSHA PEL (United States, 5/2018). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 15 mg/m³ 8 hours. Form: Total dust</p>

8.2 Exposure controls

Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Section 8. Exposure controls/personal protection

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	: Agendia NGS Nuclease-Free Water	Liquid.
	: Agendia NGS Fragmentation Mix	Liquid.
	: Agendia NGS 1st Strand Master Mix	Liquid.
	: Agendia NGS 2nd Strand + End Repair Enzyme Mix	Liquid.
	: Agendia NGS 2nd Strand + End Repair Oligo Mix	Liquid.
	: Agendia NGS dA Tailing Master Mix	Liquid.
	: Agendia NGS Oligo Adaptor Mix	Liquid.
	: Agendia NGS Ligation Master Mix	Liquid.
	: Agendia NGS Forward PCR Primer	Liquid.
	: Agendia NGS PCR Master Mix	Liquid.
	: Agendia NGS Uracil DNA Glycosylase (UDG)	Liquid.
	: Agendia NGS Reverse PCR	Liquid.

Section 9. Physical and chemical properties

	Primer	
Color	: Agendia NGS Nuclease-Free Water	Colorless.
	Agendia NGS Fragmentation Mix	Not available.
	Agendia NGS 1st Strand Master Mix	Not available.
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	Not available.
	Agendia NGS 2nd Strand + End Repair Oligo Mix	Not available.
	Agendia NGS dA Tailing Master Mix	Not available.
	Agendia NGS Oligo Adaptor Mix	Not available.
	Agendia NGS Ligation Master Mix	Not available.
	Agendia NGS Forward PCR Primer	Not available.
	Agendia NGS PCR Master Mix	Not available.
	Agendia NGS Uracil DNA Glycosylase (UDG)	Not available.
	Agendia NGS Reverse PCR Primer	Not available.
Odor	: Agendia NGS Nuclease-Free Water	Odorless.
	Agendia NGS Fragmentation Mix	Not available.
	Agendia NGS 1st Strand Master Mix	Not available.
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	Not available.
	Agendia NGS 2nd Strand + End Repair Oligo Mix	Not available.
	Agendia NGS dA Tailing Master Mix	Not available.
	Agendia NGS Oligo Adaptor Mix	Not available.
	Agendia NGS Ligation Master Mix	Not available.
	Agendia NGS Forward PCR Primer	Not available.
	Agendia NGS PCR Master Mix	Not available.
	Agendia NGS Uracil DNA Glycosylase (UDG)	Not available.
	Agendia NGS Reverse PCR Primer	Not available.
Odor threshold	: Agendia NGS Nuclease-Free Water	Not available.
	Agendia NGS Fragmentation Mix	Not available.
	Agendia NGS 1st Strand Master Mix	Not available.
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	Not available.
	Agendia NGS 2nd Strand + End Repair Oligo Mix	Not available.
	Agendia NGS dA Tailing Master Mix	Not available.
	Agendia NGS Oligo Adaptor Mix	Not available.
	Agendia NGS Ligation Master Mix	Not available.
	Agendia NGS Forward PCR Primer	Not available.
	Agendia NGS PCR Master Mix	Not available.
	Agendia NGS Uracil DNA Glycosylase (UDG)	Not available.
	Agendia NGS Reverse PCR Primer	Not available.

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pH	:	Agendia NGS Nuclease-Free Water	7	
		Agendia NGS Fragmentation Mix	Not available.	
		Agendia NGS 1st Strand Master Mix	Not available.	
		Agendia NGS 2nd Strand + End Repair Enzyme Mix	Not available.	
		Agendia NGS 2nd Strand + End Repair Oligo Mix	Not available.	
		Agendia NGS dA Tailing Master Mix	Not available.	
		Agendia NGS Oligo Adaptor Mix	Not available.	
		Agendia NGS Ligation Master Mix	Not available.	
		Agendia NGS Forward PCR Primer	Not available.	
		Agendia NGS PCR Master Mix	Not available.	
		Agendia NGS Uracil DNA Glycosylase (UDG)	Not available.	
		Agendia NGS Reverse PCR Primer	Not available.	
	Melting point	:	Agendia NGS Nuclease-Free Water	0°C (32°F)
			Agendia NGS Fragmentation Mix	0°C (32°F)
			Agendia NGS 1st Strand Master Mix	Not available.
			Agendia NGS 2nd Strand + End Repair Enzyme Mix	Not available.
		Agendia NGS 2nd Strand + End Repair Oligo Mix	0°C (32°F)	
		Agendia NGS dA Tailing Master Mix	Not available.	
		Agendia NGS Oligo Adaptor Mix	0°C (32°F)	
		Agendia NGS Ligation Master Mix	Not available.	
		Agendia NGS Forward PCR Primer	0°C (32°F)	
		Agendia NGS PCR Master Mix	Not available.	
		Agendia NGS Uracil DNA Glycosylase (UDG)	Not available.	
		Agendia NGS Reverse PCR Primer	0°C (32°F)	
Boiling point		:	Agendia NGS Nuclease-Free Water	100°C (212°F)
			Agendia NGS Fragmentation Mix	100°C (212°F)
			Agendia NGS 1st Strand Master Mix	Not available.
			Agendia NGS 2nd Strand + End Repair Enzyme Mix	Not available.
		Agendia NGS 2nd Strand + End Repair Oligo Mix	100°C (212°F)	
		Agendia NGS dA Tailing Master Mix	Not available.	
		Agendia NGS Oligo Adaptor Mix	100°C (212°F)	
		Agendia NGS Ligation Master Mix	Not available.	
		Agendia NGS Forward PCR Primer	100°C (212°F)	
		Agendia NGS PCR Master Mix	Not available.	
		Agendia NGS Uracil DNA Glycosylase (UDG)	Not available.	
		Agendia NGS Reverse PCR Primer	100°C (212°F)	

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Flash point	:	Agendia NGS Nuclease-Free Water	Not applicable.	
		Agendia NGS Fragmentation Mix	Not available.	
		Agendia NGS 1st Strand Master Mix	Not available.	
		Agendia NGS 2nd Strand + End Repair Enzyme Mix	Not available.	
		Agendia NGS 2nd Strand + End Repair Oligo Mix	Not available.	
		Agendia NGS dA Tailing Master Mix	Not available.	
		Agendia NGS Oligo Adaptor Mix	Not available.	
		Agendia NGS Ligation Master Mix	Not available.	
		Agendia NGS Forward PCR Primer	Not available.	
		Agendia NGS PCR Master Mix	Not available.	
		Agendia NGS Uracil DNA Glycosylase (UDG)	Not available.	
		Agendia NGS Reverse PCR Primer	Not available.	
	Evaporation rate	:	Agendia NGS Nuclease-Free Water	Not available.
			Agendia NGS Fragmentation Mix	Not available.
			Agendia NGS 1st Strand Master Mix	Not available.
		Agendia NGS 2nd Strand + End Repair Enzyme Mix	Not available.	
		Agendia NGS 2nd Strand + End Repair Oligo Mix	Not available.	
		Agendia NGS dA Tailing Master Mix	Not available.	
		Agendia NGS Oligo Adaptor Mix	Not available.	
		Agendia NGS Ligation Master Mix	Not available.	
		Agendia NGS Forward PCR Primer	Not available.	
		Agendia NGS PCR Master Mix	Not available.	
		Agendia NGS Uracil DNA Glycosylase (UDG)	Not available.	
		Agendia NGS Reverse PCR Primer	Not available.	
Flammability (solid, gas)		:	Agendia NGS Nuclease-Free Water	Not applicable.
			Agendia NGS Fragmentation Mix	Not applicable.
			Agendia NGS 1st Strand Master Mix	Not applicable.
		Agendia NGS 2nd Strand + End Repair Enzyme Mix	Not applicable.	
		Agendia NGS 2nd Strand + End Repair Oligo Mix	Not applicable.	
		Agendia NGS dA Tailing Master Mix	Not applicable.	
		Agendia NGS Oligo Adaptor Mix	Not applicable.	
		Agendia NGS Ligation Master Mix	Not applicable.	
		Agendia NGS Forward PCR Primer	Not applicable.	
		Agendia NGS PCR Master Mix	Not applicable.	
		Agendia NGS Uracil DNA Glycosylase (UDG)	Not applicable.	
		Agendia NGS Reverse PCR Primer	Not applicable.	

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Lower and upper explosive (flammable) limits	: Agendia NGS Nuclease-Free Water	Not available.	
	Agendia NGS Fragmentation Mix	Not available.	
	Agendia NGS 1st Strand Master Mix	Not available.	
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	Not available.	
	Agendia NGS 2nd Strand + End Repair Oligo Mix	Not available.	
	Agendia NGS dA Tailing Master Mix	Not available.	
	Agendia NGS Oligo Adaptor Mix	Not available.	
	Agendia NGS Ligation Master Mix	Not available.	
	Agendia NGS Forward PCR Primer	Not available.	
	Agendia NGS PCR Master Mix	Not available.	
	Agendia NGS Uracil DNA Glycosylase (UDG)	Not available.	
	Agendia NGS Reverse PCR Primer	Not available.	
	Vapor pressure	: Agendia NGS Nuclease-Free Water	3.2 kPa (23.8 mm Hg) [room temperature]
		Agendia NGS Fragmentation Mix	Not available.
		Agendia NGS 1st Strand Master Mix	Not available.
		Agendia NGS 2nd Strand + End Repair Enzyme Mix	Not available.
Agendia NGS 2nd Strand + End Repair Oligo Mix		Not available.	
Agendia NGS dA Tailing Master Mix		Not available.	
Agendia NGS Oligo Adaptor Mix		Not available.	
Agendia NGS Ligation Master Mix		Not available.	
Agendia NGS Forward PCR Primer		Not available.	
Agendia NGS PCR Master Mix		Not available.	
Agendia NGS Uracil DNA Glycosylase (UDG)		Not available.	
Agendia NGS Reverse PCR Primer		Not available.	
Vapor density		: Agendia NGS Nuclease-Free Water	0.62 [Air = 1]
		Agendia NGS Fragmentation Mix	Not available.
		Agendia NGS 1st Strand Master Mix	Not available.
		Agendia NGS 2nd Strand + End Repair Enzyme Mix	Not available.
	Agendia NGS 2nd Strand + End Repair Oligo Mix	Not available.	
	Agendia NGS dA Tailing Master Mix	Not available.	
	Agendia NGS Oligo Adaptor Mix	Not available.	
	Agendia NGS Ligation Master Mix	Not available.	
	Agendia NGS Forward PCR Primer	Not available.	
	Agendia NGS PCR Master Mix	Not available.	
	Agendia NGS Uracil DNA Glycosylase (UDG)	Not available.	
	Agendia NGS Reverse PCR Primer	Not available.	

Section 9. Physical and chemical properties

Relative density	:	Agendia NGS Nuclease-Free Water	1.0 [@ 3.98°C (39.16°F)]	
		Agendia NGS Fragmentation Mix	Not available.	
		Agendia NGS 1st Strand Master Mix	Not available.	
		Agendia NGS 2nd Strand + End Repair Enzyme Mix	Not available.	
		Agendia NGS 2nd Strand + End Repair Oligo Mix	Not available.	
		Agendia NGS dA Tailing Master Mix	Not available.	
		Agendia NGS Oligo Adaptor Mix	Not available.	
		Agendia NGS Ligation Master Mix	Not available.	
		Agendia NGS Forward PCR Primer	Not available.	
		Agendia NGS PCR Master Mix	Not available.	
		Agendia NGS Uracil DNA Glycosylase (UDG)	Not available.	
		Agendia NGS Reverse PCR Primer	Not available.	
	Solubility	:	Agendia NGS Nuclease-Free Water	Easily soluble in the following materials: cold water and hot water.
			Agendia NGS Fragmentation Mix	Easily soluble in the following materials: cold water and hot water.
			Agendia NGS 1st Strand Master Mix	Soluble in the following materials: cold water and hot water.
		Agendia NGS 2nd Strand + End Repair Enzyme Mix	Soluble in the following materials: cold water and hot water.	
		Agendia NGS 2nd Strand + End Repair Oligo Mix	Easily soluble in the following materials: cold water and hot water.	
		Agendia NGS dA Tailing Master Mix	Soluble in the following materials: cold water and hot water.	
		Agendia NGS Oligo Adaptor Mix	Easily soluble in the following materials: cold water and hot water.	
		Agendia NGS Ligation Master Mix	Soluble in the following materials: cold water and hot water.	
		Agendia NGS Forward PCR Primer	Easily soluble in the following materials: cold water and hot water.	
		Agendia NGS PCR Master Mix	Soluble in the following materials: cold water and hot water.	
		Agendia NGS Uracil DNA Glycosylase (UDG)	Not available.	
		Agendia NGS Reverse PCR Primer	Easily soluble in the following materials: cold water and hot water.	
Partition coefficient: n-octanol/water		:	Agendia NGS Nuclease-Free Water	-1.38
			Agendia NGS Fragmentation Mix	Not available.
			Agendia NGS 1st Strand Master Mix	Not available.
		Agendia NGS 2nd Strand + End Repair Enzyme Mix	Not available.	
		Agendia NGS 2nd Strand + End Repair Oligo Mix	Not available.	
		Agendia NGS dA Tailing Master Mix	Not available.	
		Agendia NGS Oligo Adaptor Mix	Not available.	
		Agendia NGS Ligation Master Mix	Not available.	
		Agendia NGS Forward PCR Primer	Not available.	
		Agendia NGS PCR Master Mix	Not available.	

Section 9. Physical and chemical properties

	Agendia NGS Uracil DNA Glycosylase (UDG)	Not available.
	Agendia NGS Reverse PCR Primer	Not available.
Auto-ignition temperature	: Agendia NGS Nuclease-Free Water	Not applicable.
	Agendia NGS Fragmentation Mix	Not available.
	Agendia NGS 1st Strand Master Mix	Not available.
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	Not available.
	Agendia NGS 2nd Strand + End Repair Oligo Mix	Not available.
	Agendia NGS dA Tailing Master Mix	Not available.
	Agendia NGS Oligo Adaptor Mix	Not available.
	Agendia NGS Ligation Master Mix	Not available.
	Agendia NGS Forward PCR Primer	Not available.
	Agendia NGS PCR Master Mix	Not available.
	Agendia NGS Uracil DNA Glycosylase (UDG)	Not available.
	Agendia NGS Reverse PCR Primer	Not available.
Decomposition temperature	: Agendia NGS Nuclease-Free Water	Not available.
	Agendia NGS Fragmentation Mix	Not available.
	Agendia NGS 1st Strand Master Mix	Not available.
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	Not available.
	Agendia NGS 2nd Strand + End Repair Oligo Mix	Not available.
	Agendia NGS dA Tailing Master Mix	Not available.
	Agendia NGS Oligo Adaptor Mix	Not available.
	Agendia NGS Ligation Master Mix	Not available.
	Agendia NGS Forward PCR Primer	Not available.
	Agendia NGS PCR Master Mix	Not available.
	Agendia NGS Uracil DNA Glycosylase (UDG)	Not available.
	Agendia NGS Reverse PCR Primer	Not available.
Viscosity	: Agendia NGS Nuclease-Free Water	Not available.
	Agendia NGS Fragmentation Mix	Not available.
	Agendia NGS 1st Strand Master Mix	Not available.
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	Not available.
	Agendia NGS 2nd Strand + End Repair Oligo Mix	Not available.
	Agendia NGS dA Tailing Master Mix	Not available.
	Agendia NGS Oligo Adaptor Mix	Not available.
	Agendia NGS Ligation Master Mix	Not available.
	Agendia NGS Forward PCR Primer	Not available.
	Agendia NGS PCR Master Mix	Not available.
	Agendia NGS Uracil DNA	Not available.

Section 9. Physical and chemical properties

Glycosylase (UDG) Agendia NGS Reverse PCR Primer	Not available.
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Section 10. Stability and reactivity

10.1 Reactivity

: Agendia NGS Nuclease-Free Water	No specific test data related to reactivity available for this product or its ingredients.
Agendia NGS Fragmentation Mix	No specific test data related to reactivity available for this product or its ingredients.
Agendia NGS 1st Strand Master Mix	No specific test data related to reactivity available for this product or its ingredients.
Agendia NGS 2nd Strand + End Repair Enzyme Mix	No specific test data related to reactivity available for this product or its ingredients.
Agendia NGS 2nd Strand + End Repair Oligo Mix	No specific test data related to reactivity available for this product or its ingredients.
Agendia NGS dA Tailing Master Mix	No specific test data related to reactivity available for this product or its ingredients.
Agendia NGS Oligo Adaptor Mix	No specific test data related to reactivity available for this product or its ingredients.
Agendia NGS Ligation Master Mix	No specific test data related to reactivity available for this product or its ingredients.
Agendia NGS Forward PCR Primer	No specific test data related to reactivity available for this product or its ingredients.
Agendia NGS PCR Master Mix	No specific test data related to reactivity available for this product or its ingredients.
Agendia NGS Uracil DNA Glycosylase (UDG)	No specific test data related to reactivity available for this product or its ingredients.
Agendia NGS Reverse PCR Primer	No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

: Agendia NGS Nuclease-Free Water	The product is stable.
Agendia NGS Fragmentation Mix	The product is stable.
Agendia NGS 1st Strand Master Mix	The product is stable.
Agendia NGS 2nd Strand + End Repair Enzyme Mix	The product is stable.
Agendia NGS 2nd Strand + End Repair Oligo Mix	The product is stable.
Agendia NGS dA Tailing Master Mix	The product is stable.
Agendia NGS Oligo Adaptor Mix	The product is stable.
Agendia NGS Ligation Master Mix	The product is stable.
Agendia NGS Forward PCR Primer	The product is stable.
Agendia NGS PCR Master Mix	The product is stable.
Agendia NGS Uracil DNA Glycosylase (UDG)	The product is stable.
Agendia NGS Reverse PCR Primer	The product is stable.

10.3 Possibility of hazardous reactions

: Agendia NGS Nuclease-Free Water	Under normal conditions of storage and use, hazardous reactions will not occur.
Agendia NGS Fragmentation Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
Agendia NGS 1st Strand Master Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
Agendia NGS 2nd Strand + End	Under normal conditions of storage and use,

Section 10. Stability and reactivity

Repair Enzyme Mix	hazardous reactions will not occur.
Agendia NGS 2nd Strand + End Repair Oligo Mix	Hazardous reactions or instability may occur under certain conditions of storage or use.
Agendia NGS dA Tailing Master Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
Agendia NGS Oligo Adaptor Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
Agendia NGS Ligation Master Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
Agendia NGS Forward PCR Primer	Under normal conditions of storage and use, hazardous reactions will not occur.
Agendia NGS PCR Master Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
Agendia NGS Uracil DNA Glycosylase (UDG)	Under normal conditions of storage and use, hazardous reactions will not occur.
Agendia NGS Reverse PCR Primer	Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid	:	Agendia NGS Nuclease-Free Water	No specific data.
		Agendia NGS Fragmentation Mix	No specific data.
		Agendia NGS 1st Strand Master Mix	No specific data.
		Agendia NGS 2nd Strand + End Repair Enzyme Mix	No specific data.
		Agendia NGS 2nd Strand + End Repair Oligo Mix	No specific data.
		Agendia NGS dA Tailing Master Mix	No specific data.
		Agendia NGS Oligo Adaptor Mix	No specific data.
		Agendia NGS Ligation Master Mix	No specific data.
		Agendia NGS Forward PCR Primer	No specific data.
		Agendia NGS PCR Master Mix	No specific data.
		Agendia NGS Uracil DNA Glycosylase (UDG)	No specific data.
		Agendia NGS Reverse PCR Primer	No specific data.

10.5 Incompatible materials	:	Agendia NGS Nuclease-Free Water	May react or be incompatible with oxidizing materials.
		Agendia NGS Fragmentation Mix	May react or be incompatible with oxidizing materials.
		Agendia NGS 1st Strand Master Mix	May react or be incompatible with oxidizing materials.
		Agendia NGS 2nd Strand + End Repair Enzyme Mix	May react or be incompatible with oxidizing materials.
		Agendia NGS 2nd Strand + End Repair Oligo Mix	May react or be incompatible with oxidizing materials.
		Agendia NGS dA Tailing Master Mix	May react or be incompatible with oxidizing materials.
		Agendia NGS Oligo Adaptor Mix	May react or be incompatible with oxidizing materials.
		Agendia NGS Ligation Master Mix	May react or be incompatible with oxidizing materials.
		Agendia NGS Forward PCR Primer	May react or be incompatible with oxidizing materials.
		Agendia NGS PCR Master Mix	May react or be incompatible with oxidizing materials.

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	Agendia NGS Uracil DNA Glycosylase (UDG)	May react or be incompatible with oxidizing materials.
	Agendia NGS Reverse PCR Primer	May react or be incompatible with oxidizing materials.
10.6 Hazardous decomposition products	: Agendia NGS Nuclease-Free Water	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Agendia NGS Fragmentation Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Agendia NGS 1st Strand Master Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Agendia NGS 2nd Strand + End Repair Oligo Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Agendia NGS dA Tailing Master Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Agendia NGS Oligo Adaptor Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Agendia NGS Ligation Master Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Agendia NGS Forward PCR Primer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Agendia NGS PCR Master Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Agendia NGS Uracil DNA Glycosylase (UDG)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Agendia NGS Reverse PCR Primer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Agendia NGS 1st Strand Master Mix Glycerol	LD50 Oral	Rat	12600 mg/kg	-
Agendia NGS 2nd Strand + End Repair Enzyme Mix Glycerol	LD50 Oral	Rat	12600 mg/kg	-
Potassium chloride	LD50 Oral	Rat	2600 mg/kg	-
Agendia NGS dA Tailing				

Section 11. Toxicological information

Master Mix Glycerol	LD50 Oral	Rat	12600 mg/kg	-
Agendia NGS PCR Master Mix Glycerol	LD50 Oral	Rat	12600 mg/kg	-
Agendia NGS Uracil DNA Glycosylase (UDG) Glycerol	LD50 Oral	Rat	12600 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Agendia NGS 1st Strand Master Mix Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
Agendia NGS 2nd Strand + End Repair Enzyme Mix Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
Potassium chloride	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
Agendia NGS dA Tailing Master Mix Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
Polyethylene glycol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Eyes - Mild irritant	Rabbit	-	500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
Agendia NGS Ligation Master Mix Polyethylene glycol	Skin - Mild irritant	Rabbit	-	500 mg	-
	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	500 mg	-
Agendia NGS PCR Master Mix Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-

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Agendia NGS Uracil DNA Glycosylase (UDG) Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-

Sensitization

Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Agendia NGS dA Tailing Master Mix 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	Category 3	-	Respiratory tract irritation
Agendia NGS Ligation Master Mix 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	Category 3	-	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure	: Agendia NGS Nuclease-Free Water	Not available.
	Agendia NGS Fragmentation Mix	Not available.
	Agendia NGS 1st Strand Master Mix	Routes of entry anticipated: Oral, Dermal, Inhalation.
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	Routes of entry anticipated: Oral, Dermal, Inhalation.
	Agendia NGS 2nd Strand + End Repair Oligo Mix	Not available.
	Agendia NGS dA Tailing Master Mix	Routes of entry anticipated: Oral, Dermal, Inhalation.
	Agendia NGS Oligo Adaptor Mix	Not available.
	Agendia NGS Ligation Master Mix	Routes of entry anticipated: Oral, Dermal, Inhalation.
	Agendia NGS Forward PCR Primer	Not available.
	Agendia NGS PCR Master Mix	Not available.
	Agendia NGS Uracil DNA Glycosylase (UDG)	Routes of entry anticipated: Oral, Dermal, Inhalation.
	Agendia NGS Reverse PCR Primer	Not available.

Section 11. Toxicological information

Potential acute health effects

Eye contact	:	Agendia NGS Nuclease-Free Water	No known significant effects or critical hazards.
		Agendia NGS Fragmentation Mix	No known significant effects or critical hazards.
		Agendia NGS 1st Strand Master Mix	Causes eye irritation.
		Agendia NGS 2nd Strand + End Repair Enzyme Mix	Causes eye irritation.
		Agendia NGS 2nd Strand + End Repair Oligo Mix	No known significant effects or critical hazards.
		Agendia NGS dA Tailing Master Mix	Causes serious eye irritation.
		Agendia NGS Oligo Adaptor Mix	No known significant effects or critical hazards.
		Agendia NGS Ligation Master Mix	Causes serious eye irritation.
		Agendia NGS Forward PCR Primer	No known significant effects or critical hazards.
		Agendia NGS PCR Master Mix	No known significant effects or critical hazards.
		Agendia NGS Uracil DNA Glycosylase (UDG)	Causes eye irritation.
		Agendia NGS Reverse PCR Primer	No known significant effects or critical hazards.
	Inhalation	:	Agendia NGS Nuclease-Free Water
		Agendia NGS Fragmentation Mix	No known significant effects or critical hazards.
		Agendia NGS 1st Strand Master Mix	No known significant effects or critical hazards.
		Agendia NGS 2nd Strand + End Repair Enzyme Mix	No known significant effects or critical hazards.
		Agendia NGS 2nd Strand + End Repair Oligo Mix	No known significant effects or critical hazards.
		Agendia NGS dA Tailing Master Mix	No known significant effects or critical hazards.
		Agendia NGS Oligo Adaptor Mix	No known significant effects or critical hazards.
		Agendia NGS Ligation Master Mix	No known significant effects or critical hazards.
		Agendia NGS Forward PCR Primer	No known significant effects or critical hazards.
		Agendia NGS PCR Master Mix	No known significant effects or critical hazards.
		Agendia NGS Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.
		Agendia NGS Reverse PCR Primer	No known significant effects or critical hazards.
Skin contact		:	Agendia NGS Nuclease-Free Water
		Agendia NGS Fragmentation Mix	No known significant effects or critical hazards.
		Agendia NGS 1st Strand Master Mix	No known significant effects or critical hazards.
		Agendia NGS 2nd Strand + End Repair Enzyme Mix	No known significant effects or critical hazards.
		Agendia NGS 2nd Strand + End Repair Oligo Mix	No known significant effects or critical hazards.
		Agendia NGS dA Tailing Master Mix	No known significant effects or critical hazards.
		Agendia NGS Oligo Adaptor Mix	No known significant effects or critical hazards.
		Agendia NGS Ligation Master Mix	No known significant effects or critical hazards.
		Agendia NGS Forward PCR Primer	No known significant effects or critical hazards.
		Agendia NGS PCR Master Mix	No known significant effects or critical hazards.
		Agendia NGS Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.
		Agendia NGS Reverse PCR Primer	No known significant effects or critical hazards.

Section 11. Toxicological information

Ingestion	: Agendia NGS Nuclease-Free Water Agendia NGS Fragmentation Mix Agendia NGS 1st Strand Master Mix Agendia NGS 2nd Strand + End Repair Enzyme Mix Agendia NGS 2nd Strand + End Repair Oligo Mix Agendia NGS dA Tailing Master Mix Agendia NGS Oligo Adaptor Mix Agendia NGS Ligation Master Mix Agendia NGS Forward PCR Primer Agendia NGS PCR Master Mix Agendia NGS Uracil DNA Glycosylase (UDG) Agendia NGS Reverse PCR Primer	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
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Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: Agendia NGS Nuclease-Free Water Agendia NGS Fragmentation Mix Agendia NGS 1st Strand Master Mix Agendia NGS 2nd Strand + End Repair Enzyme Mix Agendia NGS 2nd Strand + End Repair Oligo Mix Agendia NGS dA Tailing Master Mix Agendia NGS Oligo Adaptor Mix Agendia NGS Ligation Master Mix Agendia NGS Forward PCR Primer Agendia NGS PCR Master Mix Agendia NGS Uracil DNA Glycosylase (UDG) Agendia NGS Reverse PCR Primer	No specific data. No specific data. Adverse symptoms may include the following: irritation watering redness Adverse symptoms may include the following: irritation watering redness No specific data. Adverse symptoms may include the following: pain or irritation watering redness No specific data. Adverse symptoms may include the following: pain or irritation watering redness No specific data. No specific data. Adverse symptoms may include the following: irritation watering redness No specific data.
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Section 11. Toxicological information

Inhalation	:	Agendia NGS Nuclease-Free Water	No specific data.	
		Agendia NGS Fragmentation Mix	No specific data.	
		Agendia NGS 1st Strand Master Mix	No specific data.	
		Agendia NGS 2nd Strand + End Repair Enzyme Mix	No specific data.	
		Agendia NGS 2nd Strand + End Repair Oligo Mix	No specific data.	
		Agendia NGS dA Tailing Master Mix	No specific data.	
		Agendia NGS Oligo Adaptor Mix	No specific data.	
		Agendia NGS Ligation Master Mix	No specific data.	
		Agendia NGS Forward PCR Primer	No specific data.	
		Agendia NGS PCR Master Mix	No specific data.	
		Agendia NGS Uracil DNA Glycosylase (UDG)	No specific data.	
		Agendia NGS Reverse PCR Primer	No specific data.	
	Skin contact	:	Agendia NGS Nuclease-Free Water	No specific data.
			Agendia NGS Fragmentation Mix	No specific data.
			Agendia NGS 1st Strand Master Mix	No specific data.
		Agendia NGS 2nd Strand + End Repair Enzyme Mix	No specific data.	
		Agendia NGS 2nd Strand + End Repair Oligo Mix	No specific data.	
		Agendia NGS dA Tailing Master Mix	No specific data.	
		Agendia NGS Oligo Adaptor Mix	No specific data.	
		Agendia NGS Ligation Master Mix	No specific data.	
		Agendia NGS Forward PCR Primer	No specific data.	
		Agendia NGS PCR Master Mix	No specific data.	
		Agendia NGS Uracil DNA Glycosylase (UDG)	No specific data.	
		Agendia NGS Reverse PCR Primer	No specific data.	
Ingestion		:	Agendia NGS Nuclease-Free Water	No specific data.
			Agendia NGS Fragmentation Mix	No specific data.
			Agendia NGS 1st Strand Master Mix	No specific data.
		Agendia NGS 2nd Strand + End Repair Enzyme Mix	No specific data.	
		Agendia NGS 2nd Strand + End Repair Oligo Mix	No specific data.	
		Agendia NGS dA Tailing Master Mix	No specific data.	
		Agendia NGS Oligo Adaptor Mix	No specific data.	
		Agendia NGS Ligation Master Mix	No specific data.	
		Agendia NGS Forward PCR Primer	No specific data.	
		Agendia NGS PCR Master Mix	No specific data.	
		Agendia NGS Uracil DNA Glycosylase (UDG)	No specific data.	
		Agendia NGS Reverse PCR Primer	No specific data.	

Section 11. Toxicological information

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

General	: Agendia NGS Nuclease-Free Water	No known significant effects or critical hazards.
	Agendia NGS Fragmentation Mix	No known significant effects or critical hazards.
	Agendia NGS 1st Strand Master Mix	No known significant effects or critical hazards.
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	No known significant effects or critical hazards.
	Agendia NGS 2nd Strand + End Repair Oligo Mix	No known significant effects or critical hazards.
	Agendia NGS dA Tailing Master Mix	No known significant effects or critical hazards.
	Agendia NGS Oligo Adaptor Mix	No known significant effects or critical hazards.
	Agendia NGS Ligation Master Mix	No known significant effects or critical hazards.
	Agendia NGS Forward PCR Primer	No known significant effects or critical hazards.
	Agendia NGS PCR Master Mix	No known significant effects or critical hazards.
	Agendia NGS Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.
	Agendia NGS Reverse PCR Primer	No known significant effects or critical hazards.
Carcinogenicity	: Agendia NGS Nuclease-Free Water	No known significant effects or critical hazards.
	Agendia NGS Fragmentation Mix	No known significant effects or critical hazards.
	Agendia NGS 1st Strand Master Mix	No known significant effects or critical hazards.
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	No known significant effects or critical hazards.
	Agendia NGS 2nd Strand + End Repair Oligo Mix	No known significant effects or critical hazards.
	Agendia NGS dA Tailing Master Mix	No known significant effects or critical hazards.
	Agendia NGS Oligo Adaptor Mix	No known significant effects or critical hazards.
	Agendia NGS Ligation Master Mix	No known significant effects or critical hazards.
	Agendia NGS Forward PCR Primer	No known significant effects or critical hazards.
	Agendia NGS PCR Master Mix	No known significant effects or critical hazards.
	Agendia NGS Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.
	Agendia NGS Reverse PCR Primer	No known significant effects or critical hazards.
Mutagenicity	: Agendia NGS Nuclease-Free Water	No known significant effects or critical hazards.
	Agendia NGS Fragmentation Mix	No known significant effects or critical hazards.
	Agendia NGS 1st Strand Master Mix	No known significant effects or critical hazards.
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	No known significant effects or critical hazards.
	Agendia NGS 2nd Strand + End	No known significant effects or critical hazards.

Section 11. Toxicological information

	Repair Oligo Mix	
	Agendia NGS dA Tailing Master Mix	No known significant effects or critical hazards.
	Agendia NGS Oligo Adaptor Mix	No known significant effects or critical hazards.
	Agendia NGS Ligation Master Mix	No known significant effects or critical hazards.
	Agendia NGS Forward PCR Primer	No known significant effects or critical hazards.
	Agendia NGS PCR Master Mix	No known significant effects or critical hazards.
	Agendia NGS Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.
	Agendia NGS Reverse PCR Primer	No known significant effects or critical hazards.
Teratogenicity	: Agendia NGS Nuclease-Free Water	No known significant effects or critical hazards.
	Agendia NGS Fragmentation Mix	No known significant effects or critical hazards.
	Agendia NGS 1st Strand Master Mix	No known significant effects or critical hazards.
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	No known significant effects or critical hazards.
	Agendia NGS 2nd Strand + End Repair Oligo Mix	No known significant effects or critical hazards.
	Agendia NGS dA Tailing Master Mix	No known significant effects or critical hazards.
	Agendia NGS Oligo Adaptor Mix	No known significant effects or critical hazards.
	Agendia NGS Ligation Master Mix	No known significant effects or critical hazards.
	Agendia NGS Forward PCR Primer	No known significant effects or critical hazards.
	Agendia NGS PCR Master Mix	No known significant effects or critical hazards.
	Agendia NGS Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.
	Agendia NGS Reverse PCR Primer	No known significant effects or critical hazards.
Developmental effects	: Agendia NGS Nuclease-Free Water	No known significant effects or critical hazards.
	Agendia NGS Fragmentation Mix	No known significant effects or critical hazards.
	Agendia NGS 1st Strand Master Mix	No known significant effects or critical hazards.
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	No known significant effects or critical hazards.
	Agendia NGS 2nd Strand + End Repair Oligo Mix	No known significant effects or critical hazards.
	Agendia NGS dA Tailing Master Mix	No known significant effects or critical hazards.
	Agendia NGS Oligo Adaptor Mix	No known significant effects or critical hazards.
	Agendia NGS Ligation Master Mix	No known significant effects or critical hazards.
	Agendia NGS Forward PCR Primer	No known significant effects or critical hazards.
	Agendia NGS PCR Master Mix	No known significant effects or critical hazards.
	Agendia NGS Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.
	Agendia NGS Reverse PCR Primer	No known significant effects or critical hazards.
Fertility effects	: Agendia NGS Nuclease-Free Water	No known significant effects or critical hazards.
	Agendia NGS Fragmentation Mix	No known significant effects or critical hazards.
	Agendia NGS 1st Strand Master Mix	No known significant effects or critical hazards.
	Agendia NGS 2nd Strand + End Repair Enzyme Mix	No known significant effects or critical hazards.
	Agendia NGS 2nd Strand + End Repair Oligo Mix	No known significant effects or critical hazards.
	Agendia NGS dA Tailing Master	No known significant effects or critical hazards.

Section 11. Toxicological information

Mix	
Agendia NGS Oligo Adaptor Mix	No known significant effects or critical hazards.
Agendia NGS Ligation Master Mix	No known significant effects or critical hazards.
Agendia NGS Forward PCR Primer	No known significant effects or critical hazards.
Agendia NGS PCR Master Mix	No known significant effects or critical hazards.
Agendia NGS Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.
Agendia NGS Reverse PCR Primer	No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
Agendia NGS 1st Strand Master Mix Glycerol	12600	N/A	N/A	N/A	N/A
Agendia NGS 2nd Strand + End Repair Enzyme Mix Agendia NGS 2nd Strand + End Repair Enzyme Mix	192635	N/A	N/A	N/A	N/A
Glycerol	12600	N/A	N/A	N/A	N/A
Potassium chloride	2600	N/A	N/A	N/A	N/A
Agendia NGS dA Tailing Master Mix Glycerol	12600	N/A	N/A	N/A	N/A
Polyethylene glycol	28000	N/A	N/A	N/A	N/A
Agendia NGS Ligation Master Mix Polyethylene glycol	28000	N/A	N/A	N/A	N/A
Agendia NGS PCR Master Mix Glycerol	12600	N/A	N/A	N/A	N/A
Agendia NGS Uracil DNA Glycosylase (UDG) Glycerol	12600	N/A	N/A	N/A	N/A

Section 12. Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Agendia NGS 1st Strand Master Mix Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
Agendia NGS 2nd Strand + End Repair Enzyme Mix Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
Potassium chloride	Acute EC50 1337000 µg/l Fresh water	Algae - Navicula seminulum	96 hours
	Acute EC50 9.24 g/L Fresh water	Algae - Desmodesmus subspicatus	72 hours
	Acute EC50 141.46 mg/l Fresh water	Daphnia - Daphnia magna	48 hours

Section 12. Ecological information

Agendia NGS dA Tailing Master Mix Glycerol Polyethylene glycol	Acute LC50 12.92 mg/l Fresh water	Crustaceans - Pseudosida ramosa - Neonate	48 hours
	Acute LC50 880 mg/l Fresh water	Fish - Pimephales promelas	96 hours
Agendia NGS Ligation Master Mix Polyethylene glycol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Acute LC50 >1000000 µg/l Fresh water	Fish - Salmo salar - Parr	96 hours
Agendia NGS PCR Master Mix Glycerol	Acute LC50 >1000000 µg/l Fresh water	Fish - Salmo salar - Parr	96 hours
	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
Agendia NGS Uracil DNA Glycosylase (UDG) Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
Agendia NGS 1st Strand Master Mix Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
Agendia NGS 2nd Strand + End Repair Enzyme Mix Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
Agendia NGS dA Tailing Master Mix Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
Agendia NGS PCR Master Mix Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
Agendia NGS Uracil DNA Glycosylase (UDG) Glycerol	301D Ready Biodegradability - Closed Bottle	93 % - 30 days	-	-

Section 12. Ecological information

	Test		
Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Agendia NGS Nuclease-Free Water Water	-	-	Readily
Agendia NGS 2nd Strand + End Repair Enzyme Mix Potassium chloride	-	-	Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Agendia NGS Nuclease-Free Water Water	-1.38	-	low
Agendia NGS 1st Strand Master Mix Glycerol	-1.76	-	low
Agendia NGS 2nd Strand + End Repair Enzyme Mix Glycerol	-1.76	-	low
Potassium chloride	-0.46	-	low
Agendia NGS dA Tailing Master Mix Glycerol	-1.76	-	low
Polyethylene glycol	-	3.2	low
Agendia NGS Ligation Master Mix Polyethylene glycol	-	3.2	low
Agendia NGS PCR Master Mix Glycerol	-1.76	-	low
Agendia NGS Uracil DNA Glycosylase (UDG) Glycerol	-1.76	-	low

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

12.5 Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

13.1 Waste treatment methods

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

Section 14. Transport information

DOT / TDG / Mexico / IMDG / IATA : Not regulated.

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to IMO instruments : Not available.

Section 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

U.S. Federal regulations : **TSCA 8(a) PAIR:** Polyoxyethylene octyl phenyl ether
TSCA 8(a) CDR Exempt/Partial exemption: Not determined
Clean Water Act (CWA) 311: Edetic acid

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

Section 15. Regulatory information

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification

Agendia NGS Nuclease-Free Water	Not applicable.
Agendia NGS Fragmentation Mix	Not applicable.
Agendia NGS 1st Strand Master Mix	EYE IRRITATION - Category 2B
Agendia NGS 2nd Strand + End Repair Enzyme Mix	EYE IRRITATION - Category 2B
Agendia NGS 2nd Strand + End Repair Oligo Mix	Not applicable.
Agendia NGS dA Tailing Master Mix	EYE IRRITATION - Category 2A
Agendia NGS Oligo Adaptor Mix	Not applicable.
Agendia NGS Ligation Master Mix	EYE IRRITATION - Category 2A
Agendia NGS Forward PCR Primer	Not applicable.
Agendia NGS PCR Master Mix	Not applicable.
Agendia NGS Uracil DNA Glycosylase (UDG)	EYE IRRITATION - Category 2B
Agendia NGS Reverse PCR Primer	Not applicable.

Composition/information on ingredients

Name	%	Classification
Agendia NGS 1st Strand Master Mix		
Glycerol	≥10 - ≤25	EYE IRRITATION - Category 2B
Agendia NGS 2nd Strand + End Repair Enzyme Mix		
Glycerol	≥10 - ≤25	EYE IRRITATION - Category 2B
Potassium chloride	≤3	EYE IRRITATION - Category 2B
Agendia NGS dA Tailing Master Mix		
Glycerol	≥10 - ≤25	EYE IRRITATION - Category 2B
Polyethylene glycol	≥10 - ≤25	EYE IRRITATION - Category 2B
2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride	≤3	SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
Agendia NGS Ligation Master Mix		
Polyethylene glycol	≥10 - ≤25	EYE IRRITATION - Category 2B
2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride	≤3	SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
Agendia NGS PCR Master Mix		
Glycerol	<10	EYE IRRITATION - Category 2B

Section 15. Regulatory information

**Agendia NGS Uracil DNA
Glycosylase (UDG)**
Glycerol

≥50 - ≤75

EYE IRRITATION - Category 2B

State regulations

- Massachusetts** : The following components are listed: GLYCERINE MIST
- New York** : None of the components are listed.
- New Jersey** : The following components are listed: GLYCERIN; 1,2,3-PROPANETRIOL
- Pennsylvania** : The following components are listed: 1,2,3-PROPANETRIOL
- California Prop. 65**

This product does not require a Safe Harbor warning under California Prop. 65.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

- Australia** : Not determined.
- Canada** : Not determined.
- China** : Not determined.
- Europe** : Not determined.
- Japan** : **Japan inventory (ENCS)**: Not determined.
Japan inventory (ISHL): Not determined.
- New Zealand** : Not determined.
- Philippines** : Not determined.
- Republic of Korea** : Not determined.
- Taiwan** : Not determined.
- Thailand** : Not determined.
- Turkey** : Not determined.
- United States** : Not determined.
- Viet Nam** : Not determined.

Section 16. Other information

History

Date of issue : 08/25/2020

Date of previous issue : 03/18/2019

Version : 3

Key to abbreviations

: ATE = Acute Toxicity Estimate
 BCF = Bioconcentration Factor
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 IBC = Intermediate Bulk Container
 IMDG = International Maritime Dangerous Goods
 LogPow = logarithm of the octanol/water partition coefficient
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
 N/A = Not available
 UN = United Nations

Procedure used to derive the classification

Classification	Justification
Agendia NGS 1st Strand Master Mix EYE IRRITATION - Category 2B	Calculation method
Agendia NGS 2nd Strand + End Repair Enzyme Mix EYE IRRITATION - Category 2B	Calculation method
Agendia NGS dA Tailing Master Mix EYE IRRITATION - Category 2A	Calculation method
Agendia NGS Ligation Master Mix EYE IRRITATION - Category 2A	Calculation method
Agendia NGS Uracil DNA Glycosylase (UDG) EYE IRRITATION - Category 2B	Calculation method

☑ Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.