

# SAFETY DATA SHEET



Custom MassCode cDNA Synthesis Kit, Part Number 930604

## Section 1. Identification

<b>Product identifier</b>	: Custom MassCode cDNA Synthesis Kit, Part Number 930604		
<b>Part No. (Chemical Kit)</b>	: 930604		
<b>Part No.</b>	: RNase-free Water		600164-58
	MassCode Reverse Transcriptase		5190-3555
	10X MassCode RT Buffer		5190-3557
	100 mM dNTP Mix		5190-3558
	RNase Block		5190-3556
	Random Primers		5190-3559

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

Analytical reagent.

RNase-free Water	2 x 1.2 ml
MassCode Reverse Transcriptase	0.21 ml (192 reactions)
10X MassCode RT Buffer	0.42 ml
100 mM dNTP Mix	0.168 ml
RNase Block	0.105 ml (192 reactions)
Random Primers	0.66 ml (0.1 µg/µl)

**Supplier/Manufacturer** : Agilent Technologies Australia Pty Ltd  
679 Springvale Road  
Mulgrave  
Victoria 3170, Australia  
1800 802 402

**Emergency telephone number (with hours of operation)** : CHEMTREC®: (61)-290372994

## Section 2. Hazard(s) identification

### Classification of the substance or mixture

Not classified.

RNase-free Water	Not applicable.
MassCode Reverse Transcriptase	Not applicable.
10X MassCode RT Buffer	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 7.9%
100 mM dNTP Mix	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 5.7%
RNase Block	Not applicable.
Random Primers	Not applicable.
RNase-free Water	Not applicable.
MassCode Reverse Transcriptase	Not applicable.
10X MassCode RT Buffer	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 7.9%
100 mM dNTP Mix	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 5.7%
RNase Block	Not applicable.
Random Primers	Not applicable.

### GHS label elements

## Section 2. Hazard(s) identification

<b>Signal word</b>	: RNase-free Water MassCode Reverse Transcriptase 10X MassCode RT Buffer 100 mM dNTP Mix RNase Block Random Primers	No signal word. No signal word. No signal word. No signal word. No signal word. No signal word.
<b>Hazard statements</b>	: RNase-free Water MassCode Reverse Transcriptase 10X MassCode RT Buffer 100 mM dNTP Mix RNase Block Random Primers	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.
<b><u>Precautionary statements</u></b>		
<b>Prevention</b>	: RNase-free Water MassCode Reverse Transcriptase 10X MassCode RT Buffer 100 mM dNTP Mix RNase Block Random Primers	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
<b>Response</b>	: RNase-free Water MassCode Reverse Transcriptase 10X MassCode RT Buffer 100 mM dNTP Mix RNase Block Random Primers	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
<b>Storage</b>	: RNase-free Water MassCode Reverse Transcriptase 10X MassCode RT Buffer 100 mM dNTP Mix RNase Block Random Primers	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
<b>Disposal</b>	: RNase-free Water MassCode Reverse Transcriptase 10X MassCode RT Buffer 100 mM dNTP Mix RNase Block Random Primers	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
<b>Supplemental label elements</b>	: RNase-free Water MassCode Reverse Transcriptase 10X MassCode RT Buffer 100 mM dNTP Mix RNase Block Random Primers	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
<b>Other hazards which do not result in classification</b>	: RNase-free Water MassCode Reverse Transcriptase 10X MassCode RT Buffer 100 mM dNTP Mix RNase Block Random Primers	None known. None known. None known. None known. None known. None known.

### Section 3. Composition and ingredient information

<b>Substance/mixture</b>	:	RNase-free Water	Substance
		MassCode Reverse Transcriptase	Mixture
		10X MassCode RT Buffer	Mixture
		100 mM dNTP Mix	Mixture
		RNase Block	Mixture
		Random Primers	Mixture

**CAS number/other identifiers**

Ingredient name	% (w/w)	CAS number
<b>RNase-free Water</b> Water	100	7732-18-5
<b>MassCode Reverse Transcriptase</b> Glycerol	≥30 - ≤60	56-81-5
<b>RNase Block</b> Glycerol	≥30 - ≤60	56-81-5

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

**Description of necessary first aid measures**

<b>Eye contact</b>	:	RNase-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.
		MassCode Reverse Transcriptase	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.
		10X MassCode RT Buffer	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.
		100 mM dNTP 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.
		RNase Block	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.
		Random Primers	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.
<b>Inhalation</b>	:	RNase-free Water	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
		MassCode Reverse Transcriptase	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
		10X MassCode RT Buffer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept

## Section 4. First aid measures

	100 mM dNTP Mix	under medical surveillance for 48 hours. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. 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.
	RNase Block	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Random Primers	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
<b>Skin contact</b>	: RNase-free Water	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	MassCode Reverse Transcriptase	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	10X MassCode RT Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	100 mM dNTP Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	RNase Block	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Random Primers	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
<b>Ingestion</b>	: RNase-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.
	MassCode Reverse Transcriptase	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.
	10X MassCode RT Buffer	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.
	100 mM dNTP 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.
	RNase Block	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

## Section 4. First aid measures

Random Primers

water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.  
 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.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

<b>Eye contact</b>	: RNase-free Water MassCode Reverse Transcriptase 10X MassCode RT Buffer 100 mM dNTP Mix RNase Block Random Primers	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Inhalation</b>	: RNase-free Water MassCode Reverse Transcriptase 10X MassCode RT Buffer 100 mM dNTP Mix RNase Block Random Primers	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.
<b>Skin contact</b>	: RNase-free Water MassCode Reverse Transcriptase 10X MassCode RT Buffer 100 mM dNTP Mix RNase Block Random Primers	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Ingestion</b>	: RNase-free Water MassCode Reverse Transcriptase 10X MassCode RT Buffer 100 mM dNTP Mix RNase Block Random Primers	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.

#### Over-exposure signs/symptoms

<b>Eye contact</b>	: RNase-free Water MassCode Reverse Transcriptase 10X MassCode RT Buffer 100 mM dNTP Mix RNase Block Random Primers	No specific data. No specific data. No specific data. No specific data. No specific data. No specific data.
<b>Inhalation</b>	: RNase-free Water MassCode Reverse Transcriptase 10X MassCode RT Buffer 100 mM dNTP Mix RNase Block Random Primers	No specific data. No specific data. No specific data. No specific data. No specific data. No specific data.

## Section 4. First aid measures

<b>Skin contact</b>	:	RNase-free Water	No specific data.
		MassCode Reverse Transcriptase	No specific data.
		10X MassCode RT Buffer	No specific data.
		100 mM dNTP Mix	No specific data.
		RNase Block	No specific data.
		Random Primers	No specific data.
<b>Ingestion</b>	:	RNase-free Water	No specific data.
		MassCode Reverse Transcriptase	No specific data.
		10X MassCode RT Buffer	No specific data.
		100 mM dNTP Mix	No specific data.
		RNase Block	No specific data.
		Random Primers	No specific data.

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

<b>Notes to physician</b>	:	RNase-free Water	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		MassCode Reverse Transcriptase	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		10X MassCode RT Buffer	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.
		100 mM dNTP 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.
		RNase Block	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		Random Primers	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Specific treatments</b>	:	RNase-free Water	No specific treatment.
		MassCode Reverse Transcriptase	No specific treatment.
		10X MassCode RT Buffer	No specific treatment.
		100 mM dNTP Mix	No specific treatment.
		RNase Block	No specific treatment.
		Random Primers	No specific treatment.
<b>Protection of first-aiders</b>	:	RNase-free Water	No action shall be taken involving any personal risk or without suitable training.
		MassCode Reverse Transcriptase	No action shall be taken involving any personal risk or without suitable training.
		10X MassCode RT Buffer	No action shall be taken involving any personal risk or without suitable training.
		100 mM dNTP Mix	No action shall be taken involving any personal risk or without suitable training.
		RNase Block	No action shall be taken involving any personal risk or without suitable training.
		Random Primers	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## Section 5. Firefighting measures

### Extinguishing media

#### Suitable extinguishing media

: RNase-free Water	Use an extinguishing agent suitable for the surrounding fire.
MassCode Reverse Transcriptase	Use an extinguishing agent suitable for the surrounding fire.
10X MassCode RT Buffer	Use an extinguishing agent suitable for the surrounding fire.
100 mM dNTP Mix	Use an extinguishing agent suitable for the surrounding fire.
RNase Block	Use an extinguishing agent suitable for the surrounding fire.
Random Primers	Use an extinguishing agent suitable for the surrounding fire.

#### Unsuitable extinguishing media

: RNase-free Water	None known.
MassCode Reverse Transcriptase	None known.
10X MassCode RT Buffer	None known.
100 mM dNTP Mix	None known.
RNase Block	None known.
Random Primers	None known.

#### Specific hazards arising from the chemical

: RNase-free Water	In a fire or if heated, a pressure increase will occur and the container may burst.
MassCode Reverse Transcriptase	In a fire or if heated, a pressure increase will occur and the container may burst.
10X MassCode RT Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
100 mM dNTP Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
RNase Block	In a fire or if heated, a pressure increase will occur and the container may burst.
Random Primers	In a fire or if heated, a pressure increase will occur and the container may burst.

#### Hazardous thermal decomposition products

: RNase-free Water	No specific data.
MassCode Reverse Transcriptase	Decomposition products may include the following materials: carbon dioxide carbon monoxide
10X MassCode RT Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides
100 mM dNTP Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides phosphorus oxides
RNase Block	Decomposition products may include the following materials: carbon dioxide carbon monoxide
Random Primers	No specific data.

## Section 5. Firefighting measures

<b>Special protective actions for fire-fighters</b>	: RNase-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.
	MassCode Reverse Transcriptase	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.
	10X MassCode RT Buffer	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.
	100 mM dNTP 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.
	RNase Block	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.
	Random Primers	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.
<b>Special protective equipment for fire-fighters</b>	: RNase-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.
	MassCode Reverse Transcriptase	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	10X MassCode RT Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	100 mM dNTP Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	RNase Block	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Random Primers	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

### Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b>	: RNase-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 spilt material. Put on appropriate personal protective equipment.
	MassCode Reverse Transcriptase	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 spilt material. Put on appropriate personal



## Section 6. Accidental release measures

	10X MassCode RT Buffer	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 spilt material. Put on appropriate personal protective equipment.
	100 mM dNTP 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 spilt material. Put on appropriate personal protective equipment.
	RNase Block	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 spilt material. Put on appropriate personal protective equipment.
	Random Primers	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 spilt material. Put on appropriate personal protective equipment.
<b>For emergency responders</b>	: RNase-free Water	If specialised 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".
	MassCode Reverse Transcriptase	If specialised 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".
	10X MassCode RT Buffer	If specialised 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".
	100 mM dNTP Mix	If specialised 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".
	RNase Block	If specialised 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".
	Random Primers	If specialised 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".
<b>Environmental precautions</b>	: RNase-free Water	Avoid dispersal of spilt 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).
	MassCode Reverse Transcriptase	Avoid dispersal of spilt 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).
	10X MassCode RT Buffer	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has

## Section 6. Accidental release measures

100 mM dNTP Mix	caused environmental pollution (sewers, waterways, soil or air). Avoid dispersal of spilt 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).
RNase Block	Avoid dispersal of spilt 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).
Random Primers	Avoid dispersal of spilt 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).

### Methods and material for containment and cleaning up

**Methods for cleaning up** : RNase-free Water

MassCode Reverse Transcriptase	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.
10X MassCode RT Buffer	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.
100 mM dNTP 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.
RNase Block	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.
Random Primers	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

### Precautions for safe handling

<b>Protective measures</b>	: RNase-free Water	Put on appropriate personal protective equipment (see Section 8).
	MassCode Reverse Transcriptase	Put on appropriate personal protective equipment (see Section 8).
	10X MassCode RT Buffer	Put on appropriate personal protective equipment (see Section 8).
	100 mM dNTP Mix	Put on appropriate personal protective equipment (see Section 8).
	RNase Block	Put on appropriate personal protective equipment (see Section 8).
	Random Primers	Put on appropriate personal protective equipment (see Section 8).
<b>Advice on general occupational hygiene</b>	: RNase-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.
	MassCode Reverse Transcriptase	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.
	10X MassCode RT Buffer	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.
	100 mM dNTP 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.
	RNase Block	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.
	Random Primers	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.

## Section 7. Handling and storage

**Conditions for safe storage, including any incompatibilities** : RNase-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 unlabelled containers. Use appropriate containment to avoid environmental contamination.

MassCode Reverse Transcriptase

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 unlabelled containers. Use appropriate containment to avoid environmental contamination.

10X MassCode RT Buffer

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 unlabelled containers. Use appropriate containment to avoid environmental contamination.

100 mM dNTP 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 unlabelled containers. Use appropriate containment to avoid environmental contamination.

RNase Block

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 unlabelled containers. Use appropriate containment to avoid environmental contamination.

Random Primers

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 unlabelled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls and personal protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
<b>MassCode Reverse Transcriptase</b> Glycerol	<b>Safe Work Australia (Australia, 1/2014).</b> TWA: 10 mg/m <sup>3</sup> 8 hours.
<b>RNase Block</b> Glycerol	<b>Safe Work Australia (Australia, 1/2014).</b> TWA: 10 mg/m <sup>3</sup> 8 hours.

**Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**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: safety glasses with side-shields.

### 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.

**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

### Appearance

<b>Physical state</b>	: RNase-free Water	Liquid.
	MassCode Reverse Transcriptase	Liquid.
	10X MassCode RT Buffer	Liquid.
	100 mM dNTP Mix	Liquid.
	RNase Block	Liquid.
	Random Primers	Liquid.

## Section 9. Physical and chemical properties

<b>Colour</b>	: RNase-free Water	Colourless.
	MassCode Reverse Transcriptase	Not available.
	10X MassCode RT Buffer	Not available.
	100 mM dNTP Mix	Not available.
	RNase Block	Not available.
<b>Odour</b>	: RNase-free Water	Odourless.
	MassCode Reverse Transcriptase	Not available.
	10X MassCode RT Buffer	Not available.
	100 mM dNTP Mix	Not available.
	RNase Block	Not available.
<b>Odour threshold</b>	: RNase-free Water	Not available.
	MassCode Reverse Transcriptase	Not available.
	10X MassCode RT Buffer	Not available.
	100 mM dNTP Mix	Not available.
	RNase Block	Not available.
<b>pH</b>	: RNase-free Water	Not available.
	MassCode Reverse Transcriptase	8
	10X MassCode RT Buffer	8.3
	100 mM dNTP Mix	7.5
	RNase Block	7.6
<b>Melting point</b>	: RNase-free Water	0°C (32°F)
	MassCode Reverse Transcriptase	Not available.
	10X MassCode RT Buffer	Not available.
	100 mM dNTP Mix	Not available.
	RNase Block	Not available.
<b>Boiling point</b>	: RNase-free Water	100°C (212°F)
	MassCode Reverse Transcriptase	Not available.
	10X MassCode RT Buffer	Not available.
	100 mM dNTP Mix	Not available.
	RNase Block	Not available.
<b>Flash point</b>	: RNase-free Water	100°C (212°F)
	MassCode Reverse Transcriptase	Not available.
	10X MassCode RT Buffer	Not available.
	100 mM dNTP Mix	Not available.
	RNase Block	Not available.
<b>Evaporation rate</b>	: RNase-free Water	Not available.
	MassCode Reverse Transcriptase	Not available.
	10X MassCode RT Buffer	Not available.
	100 mM dNTP Mix	Not available.
	RNase Block	Not available.
	: RNase-free Water	Not available.
	MassCode Reverse Transcriptase	Not available.
	10X MassCode RT Buffer	Not available.
	100 mM dNTP Mix	Not available.
	RNase Block	Not available.
	: RNase-free Water	Not available.
	MassCode Reverse Transcriptase	Not available.
	10X MassCode RT Buffer	Not available.
	100 mM dNTP Mix	Not available.
	RNase Block	Not available.
	: RNase-free Water	Not available.
	MassCode Reverse Transcriptase	Not available.
	10X MassCode RT Buffer	Not available.
	100 mM dNTP Mix	Not available.
	RNase Block	Not available.
	: RNase-free Water	Not available.
	MassCode Reverse Transcriptase	Not available.
	10X MassCode RT Buffer	Not available.
	100 mM dNTP Mix	Not available.
	RNase Block	Not available.

## Section 9. Physical and chemical properties

<b>Flammability (solid, gas)</b>	: RNase-free Water	Not applicable.
	MassCode Reverse Transcriptase	Not applicable.
	10X MassCode RT Buffer	Not applicable.
	100 mM dNTP Mix	Not applicable.
	RNase Block	Not applicable.
<b>Lower and upper explosive (flammable) limits</b>	: RNase-free Water	Not available.
	MassCode Reverse Transcriptase	Not available.
	10X MassCode RT Buffer	Not available.
	100 mM dNTP Mix	Not available.
	RNase Block	Not available.
<b>Vapour pressure</b>	: RNase-free Water	Not available.
	MassCode Reverse Transcriptase	Not available.
	10X MassCode RT Buffer	Not available.
	100 mM dNTP Mix	Not available.
	RNase Block	Not available.
<b>Vapour density</b>	: RNase-free Water	Not available.
	MassCode Reverse Transcriptase	Not available.
	10X MassCode RT Buffer	Not available.
	100 mM dNTP Mix	Not available.
	RNase Block	Not available.
<b>Relative density</b>	: RNase-free Water	Not available.
	MassCode Reverse Transcriptase	Not available.
	10X MassCode RT Buffer	Not available.
	100 mM dNTP Mix	Not available.
	RNase Block	Not available.
<b>Solubility</b>	: RNase-free Water	Easily soluble in the following materials: cold water and hot water.
	MassCode Reverse Transcriptase	Soluble in the following materials: cold water and hot water.
	10X MassCode RT Buffer	Easily soluble in the following materials: cold water and hot water.
	100 mM dNTP Mix	Easily soluble in the following materials: cold water and hot water.
	RNase Block	Soluble in the following materials: cold water and hot water.
<b>Partition coefficient: n-octanol/water</b>	: RNase-free Water	Not available.
	MassCode Reverse Transcriptase	Not available.
	10X MassCode RT Buffer	Not available.
	100 mM dNTP Mix	Not available.
	RNase Block	Not available.
<b>Auto-ignition temperature</b>	: RNase-free Water	Not available.
	MassCode Reverse Transcriptase	Not available.
	10X MassCode RT Buffer	Not available.
	100 mM dNTP Mix	Not available.
	RNase Block	Not available.
	Random Primers	Not available.

## Section 9. Physical and chemical properties

<b>Decomposition temperature</b>	: RNase-free Water	Not available.
	MassCode Reverse Transcriptase	Not available.
	10X MassCode RT Buffer	Not available.
	100 mM dNTP Mix	Not available.
	RNase Block	Not available.
<b>Viscosity</b>	: RNase-free Water	Not available.
	MassCode Reverse Transcriptase	Not available.
	10X MassCode RT Buffer	Not available.
	100 mM dNTP Mix	Not available.
	RNase Block	Not available.
	: Random Primers	Not available.

## Section 10. Stability and reactivity

<b>Reactivity</b>	: RNase-free Water	No specific test data related to reactivity available for this product or its ingredients.
	MassCode Reverse Transcriptase	No specific test data related to reactivity available for this product or its ingredients.
	10X MassCode RT Buffer	No specific test data related to reactivity available for this product or its ingredients.
	100 mM dNTP Mix	No specific test data related to reactivity available for this product or its ingredients.
	RNase Block	No specific test data related to reactivity available for this product or its ingredients.
	: Random Primers	No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	: RNase-free Water	The product is stable.
	MassCode Reverse Transcriptase	The product is stable.
	10X MassCode RT Buffer	The product is stable.
	100 mM dNTP Mix	The product is stable.
	RNase Block	The product is stable.
	: Random Primers	The product is stable.
<b>Possibility of hazardous reactions</b>	: RNase-free Water	Under normal conditions of storage and use, hazardous reactions will not occur.
	MassCode Reverse Transcriptase	Under normal conditions of storage and use, hazardous reactions will not occur.
	10X MassCode RT Buffer	Under normal conditions of storage and use, hazardous reactions will not occur.
	100 mM dNTP Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
	RNase Block	Under normal conditions of storage and use, hazardous reactions will not occur.
	: Random Primers	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: RNase-free Water	No specific data.
	MassCode Reverse Transcriptase	No specific data.
	10X MassCode RT Buffer	No specific data.
	100 mM dNTP Mix	No specific data.
	RNase Block	No specific data.
	: Random Primers	No specific data.



## Section 10. Stability and reactivity

<b>Incompatible materials</b>	: RNase-free Water MassCode Reverse Transcriptase 10X MassCode RT Buffer 100 mM dNTP Mix RNase Block Random Primers	May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials.
<b>Hazardous decomposition products</b>	: RNase-free Water  MassCode Reverse Transcriptase  10X MassCode RT Buffer  100 mM dNTP Mix  RNase Block  Random Primers	Under normal conditions of storage and use, hazardous decomposition products should not be produced.  Under normal conditions of storage and use, hazardous decomposition products should not be produced.  Under normal conditions of storage and use, hazardous decomposition products should not be produced.  Under normal conditions of storage and use, hazardous decomposition products should not be produced.  Under normal conditions of storage and use, hazardous decomposition products should not be produced.  Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
<b>MassCode Reverse Transcriptase</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-
<b>RNase Block</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
<b>MassCode Reverse Transcriptase</b> Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
<b>RNase Block</b> Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-

#### Sensitisation

Not available.

#### Mutagenicity

Not available.

#### Carcinogenicity

## Section 11. Toxicological information

Not available.

### Reproductive toxicity

Not available.

### Teratogenicity

Not available.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

<b>Information on likely routes of exposure</b>	<b>:</b> RNase-free Water	Not available.
	MassCode Reverse Transcriptase	Routes of entry anticipated: Oral, Dermal, Inhalation.
	10X MassCode RT Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation.
	100 mM dNTP Mix	Not available.
	RNase Block	Routes of entry anticipated: Oral, Dermal, Inhalation.
	Random Primers	Not available.

### Potential acute health effects

<b>Eye contact</b>	<b>:</b> RNase-free Water	No known significant effects or critical hazards.
	MassCode Reverse Transcriptase	No known significant effects or critical hazards.
	10X MassCode RT Buffer	No known significant effects or critical hazards.
	100 mM dNTP Mix	No known significant effects or critical hazards.
	RNase Block	No known significant effects or critical hazards.
<b>Inhalation</b>	<b>:</b> RNase-free Water	No known significant effects or critical hazards.
	MassCode Reverse Transcriptase	No known significant effects or critical hazards.
	10X MassCode RT Buffer	No known significant effects or critical hazards.
	100 mM dNTP Mix	No known significant effects or critical hazards.
	RNase Block	No known significant effects or critical hazards.
<b>Skin contact</b>	<b>:</b> RNase-free Water	No known significant effects or critical hazards.
	MassCode Reverse Transcriptase	No known significant effects or critical hazards.
	10X MassCode RT Buffer	No known significant effects or critical hazards.
	100 mM dNTP Mix	No known significant effects or critical hazards.
	RNase Block	No known significant effects or critical hazards.
<b>Ingestion</b>	<b>:</b> RNase-free Water	No known significant effects or critical hazards.
	MassCode Reverse Transcriptase	No known significant effects or critical hazards.
	10X MassCode RT Buffer	No known significant effects or critical hazards.
	100 mM dNTP Mix	No known significant effects or critical hazards.
	RNase Block	No known significant effects or critical hazards.
	Random Primers	No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

## Section 11. Toxicological information

<b>Eye contact</b>	:	RNase-free Water	No specific data.
		MassCode Reverse Transcriptase	No specific data.
		10X MassCode RT Buffer	No specific data.
		100 mM dNTP Mix	No specific data.
		RNase Block	No specific data.
		Random Primers	No specific data.
<b>Inhalation</b>	:	RNase-free Water	No specific data.
		MassCode Reverse Transcriptase	No specific data.
		10X MassCode RT Buffer	No specific data.
		100 mM dNTP Mix	No specific data.
		RNase Block	No specific data.
		Random Primers	No specific data.
<b>Skin contact</b>	:	RNase-free Water	No specific data.
		MassCode Reverse Transcriptase	No specific data.
		10X MassCode RT Buffer	No specific data.
		100 mM dNTP Mix	No specific data.
		RNase Block	No specific data.
		Random Primers	No specific data.
<b>Ingestion</b>	:	RNase-free Water	No specific data.
		MassCode Reverse Transcriptase	No specific data.
		10X MassCode RT Buffer	No specific data.
		100 mM dNTP Mix	No specific data.
		RNase Block	No specific data.
		Random Primers	No specific data.

### Delayed and immediate effects as well as 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

Not available.

<b>General</b>	:	RNase-free Water	No known significant effects or critical hazards.
		MassCode Reverse Transcriptase	No known significant effects or critical hazards.
		10X MassCode RT Buffer	No known significant effects or critical hazards.
		100 mM dNTP Mix	No known significant effects or critical hazards.
		RNase Block	No known significant effects or critical hazards.
<b>Carcinogenicity</b>	:	Random Primers	No known significant effects or critical hazards.
		RNase-free Water	No known significant effects or critical hazards.
		MassCode Reverse Transcriptase	No known significant effects or critical hazards.
		10X MassCode RT Buffer	No known significant effects or critical hazards.
		100 mM dNTP Mix	No known significant effects or critical hazards.
	RNase Block	No known significant effects or critical hazards.	
	Random Primers	No known significant effects or critical hazards.	

## Section 11. Toxicological information

<b>Mutagenicity</b>	: RNase-free Water MassCode Reverse Transcriptase 10X MassCode RT Buffer 100 mM dNTP Mix RNase Block Random Primers	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.
<b>Teratogenicity</b>	: RNase-free Water MassCode Reverse Transcriptase 10X MassCode RT Buffer 100 mM dNTP Mix RNase Block Random Primers	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.
<b>Developmental effects</b>	: RNase-free Water MassCode Reverse Transcriptase 10X MassCode RT Buffer 100 mM dNTP Mix RNase Block Random Primers	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.
<b>Fertility effects</b>	: RNase-free Water MassCode Reverse Transcriptase 10X MassCode RT Buffer 100 mM dNTP Mix RNase Block Random Primers	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.

### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
MassCode Reverse Transcriptase Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
RNase Block Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours

### Persistence and degradability

Not available.

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
MassCode Reverse Transcriptase Glycerol	-1.76	-	low
RNase Block Glycerol	-1.76	-	low

## Section 12. Ecological information

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

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

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimised 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. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

### Regulatory information

**ADG / IMDG / IATA** : Not regulated as Dangerous Goods according to the ADG Code .

**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 Annex II of Marpol and the IBC Code** : Not available.

## Section 15. Regulatory information

### Standard Uniform Schedule of Medicine and Poisons

5

### Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

**Australia inventory (AICS)** : Not determined.

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### Montreal Protocol (Annexes A, B, C, E)

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Inform Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### International lists

## Section 15. Regulatory information

### National inventory

- Canada** : All components are listed or exempted.
- China** : All components are listed or exempted.
- Europe** : All components are listed or exempted.
- Japan** : **Japan inventory (ENCS)**: All components are listed or exempted.  
**Japan inventory (ISHL)**: All components are listed or exempted.
- Malaysia** : Not determined.
- New Zealand** : All components are listed or exempted.
- Philippines** : All components are listed or exempted.
- Republic of Korea** : Not determined.
- Taiwan** : All components are listed or exempted.
- Turkey** : Not determined.
- United States** : All components are listed or exempted.

## Section 16. Any other relevant information

### History

- Date of issue/Date of revision** : 15/07/2016
- Date of previous issue** : No previous validation.
- Version** : 2

### Key to abbreviations

- ADG = Australian Dangerous Goods
- 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)
- NOHSC = National Occupational Health and Safety Commission
- SUSMP = Standard Uniform Schedule of Medicine and Poisons
- UN = United Nations

### Procedure used to derive the classification

Classification	Justification
Not classified.	

- References** : Not available.

📌 Indicates information that has changed from previously issued version.

### Notice to reader

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