

MATERIAL SAFETY DATA SHEET

According to EC Directive 1907/2006
Revision Date: 05.11.10 MS-50120 V01



A Meridian Life Science® Company

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Trade Name : ISOLATE II PCR and Gel Kit

Catalogue Number : BIO-52058 10 preps
BIO-52059 50 preps
BIO-52060 250 preps

Manufacturer/ Supplier: Headquarters

Bioline Reagents Ltd.
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Australia



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Other regions

Please contact the UK headquarters

24-Hour Contact in case of emergency : Vergiftungs-Informations-Zentrale
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2. HAZARD IDENTIFICATION

Product name	Directive 1999/45/EC	GHS Directive 1272/2008/EC
Binding buffer CB	HARMFUL 	WARNING 
	R32 – Contact with acids liberates very toxic gas. R20/21/22 – Harmful by inhalation, in contact with skin and if swallowed. R52/53 – Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	EUH031 – Contact with acids liberates toxic gas H302 – Acute Tox. 4 oral H412 – Aquatic Chronic 3
Wash buffer CW (Concentrate)	Does not need labelling as hazardous	Does not need labelling as hazardous
Elution Buffer C	Does not need labelling as hazardous	Does not need labelling as hazardous

According to Regulation (EC) No1272/2008
Acute Toxicity, Oral (Category 4)
Chronic aquatic toxicity (Category 3)

According to European Directive 67/548/EEC as amended.
Xn – Harmful. May cause sensitisation by inhalation and skin contact.

Label elements

Pictogram



Signal word

Warning

Hazard statement(s)

H302 Harmful if swallowed.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

P264 Wash hands thoroughly after handling
P270 Do NOT eat, drink or smoke when using this product
P273 Avoid release to the environment
P301+312 IF SWALLOWED: Call a POISON CENTER or doctor IF you feel unwell
P330 Rinse mouth
P501 Dispose of contents using local regulations

Hazard symbol(s)

Xn Harmful

R-phrases

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R32 Contact with acids liberates very toxic gas.

R52/53

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s)

S26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39

Wear suitable protective clothing, gloves and eye/face protection

S45

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

S61

Avoid release to the environment. Refer to special instructions/ Safety data sheets

Other hazards

none

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture of hazardous substances listed below with non-hazardous additions.

Chemical name	CAS-No.	EC-No.	Concentration	Classification
Binding buffer CB				
Guanidinium thiocyanate	593-84-0	209-812--1	30-60%	H302; H412; EUH031; R20/21/22-32- 52/53

4. FIRST AID MEASURES

After Inhalation

Remove to fresh air. Keep airways free.

After Swallowing

Drink lots of water after ingestion.

After Contact with Eyes

Rinse eyes with running water with eyelids open. Tilt the head to prevent chemical transferring to uncontaminated eye.

After Contact with Skin

Remove contaminated clothing. Rinse the affected skin or mucous membrane thoroughly under running water. Use soap if possible.

Note to Physician

No additional recommendations

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

All extinguishers can be used, including fire blankets.

Unusual Fire Hazard

Formation of hazardous and caustic vapour-air mixtures possible. Only when there is a large scale leak is there danger to the environment, or on the formation of hazardous substances.

Fire Fighting Protective Measures

Wear full protective clothing to prevent contact with the skin and eyes.

Wear self-contained breathing equipment to prevent inhalation of explosive or combustion

gases. Fight fire from a safe distance and a protected location due to the potential of hazardous vapours and decomposition products. Product package burns like paper or plastic. Spray vapours with water. Retain fire water. Use only acid-resistant safety equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Ensure ventilation is adequate. Only to be used by trained staff.
Refer to section 8 for personal protection equipment recommendations.

Environmental Precautions

Allow into drains only in small amounts with copious amounts of water.

Clean-up Measures

Prevent the spread of any spill in order to minimise harm to human health and the environment if it is safe to do so. Use a liquid-binding material (e.g. sand, sawdust, diatomite etc.) to absorb the spillage. Place in closed containers for disposal. Ventilate area well after clean-up procedures have taken place.

7. HANDLING AND STORAGE

Handling

In accordance with the instructions that come with the product. Use good laboratory handling procedures.

Storage

Packaging allows safe storage. Refer to section 12 for further details.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures

Local exhaust ventilation or other engineering controls are normally required when handling this product to avoid overexposure.

Ingredients with Limit Values

No limits available.

Personal Protection

Respiratory Protection: Only if additional recommendations in test instruction or packing insert.

Eye Protection: An eye wash station must be available where this product is used. Wear chemically resistant, tightly fitting safety goggles or glasses with side-shields, according to EN 166.

Skin Protection: Prevent all contact with this product. Protective gloves, apron, face and further skin protection should be used depending on conditions of use, according to EN 374. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment thoroughly after each use.

Hygiene Practices: Avoid contact with skin or eyes. Do not place in mouth. Do not eat, drink or smoke when handling this product. Upon completion of the use of this product, dispose of protective gloves safely and wash hands thoroughly with soap and water.

9. PHYSICAL AND CHEMICAL PROPERTIES

	Colour	Odour	Appearance	pH	Flash point	Sol. In water
Binding Buffer CB	Slightly yellow	Acetic	Liquid	4.5-5.5	-	-
Wash Buffer CW	Colourless	Odourless	Liquid	7-8	-	-
Elution Buffer C	Colourless	Odourless	Liquid	8-9	-	-

10. STABILITY AND REACTIVITY

Stability

In original packaging all reagents are safety and separated stored. Decompositions are not observed during the expiration period under recommended conditions.

Reactivity

Can form reactive substances with oxidizing agents.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

	Binding buffer CB Guanidinium thiocyanate 593-84-0
LD50 _{ori rat}	593 mg/kg
LD50 _{pr mus}	300 mg/kg

Data on other components is either not available or not required.

12. ECOLOGICAL INFORMATION

	Binding buffer CB		Wash buffer CW	Elution buffer C
	Guanidinium thiocyanate 593-84-0	Indicator dye	<1% no declaration necessary	<1% no declaration necessary
WGK (DE)	3	-	1	1
Storage class (VCI)	12	12-13	12	12

Data on other components is either not available or not required.

13. DISPOSAL CONSIDERATIONS

Product Disposal

Must be disposed of according to all local official regulations (waste code: 16 05 06).

Packaging Disposal

Unclean packaging should be disposed of according to all local official regulations.

14. TRANSPORT INFORMATION

Not necessary.

15. REGULATORY INFORMATION

This safety sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Label elements

Pictogram



Signal word

Warning

Hazard statement(s)

H302

Harmful if swallowed.

H412

Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

P264

Wash hands thoroughly after handling

P270

Do NOT eat, drink or smoke when using this product

P273

Avoid release to the environment

P301+312

IF SWALLOWED: Call a POISON CENTER or doctor IF you feel unwell

P330

Rinse mouth

P501

Dispose of contents using local regulations

Hazard symbol(s)

Xn

Harmful

R-phrases(s)

R20/21/22

Harmful by inhalation, in contact with skin and if swallowed.

R32

Contact with acids liberates very toxic gas.

R52/53

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases(s)

S26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39

Wear suitable protective clothing, gloves and eye/face protection

S45

In case of accident or if you feel unwell, seek medical advice immediately

S61

(show the label where possible)

Avoid release to the environment. Refer to special instructions/ Safety data sheets

Other hazards

none

16. OTHER INFORMATION

The information provided in this Material Safety Data Sheet (MSDS) is accurate to the best of our present knowledge. However, this shall not constitute a guarantee for any specific product features. All substances and preparations may present unknown hazards and should be used with caution. Bioline shall not be held liable for any damage resulting from the handling of or from contact with the above product. The information supplied in this MSDS shall not establish a legally valid contractual relationship.