



ARGUTUS MEDICAL
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MATERIALS SAFETY DATA SHEET

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

Product Name: OxyDNA Test.

Cat No. BIO81DNA

USE: Biotrin OxyDNA Test is an in-vitro fluorescent protein binding method for the detection of oxidative damage to DNA in fixed permeabilised cells.

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2. COMPOSITION / INFORMATION ON INGREDIENTS:

<u>Reagent</u>	<u>Content</u>
Wash Concentrate:	55mL of a concentrated buffer (contains Thiomersal)
FITC Conjugate:	0.5mL Binding protein-FITC conjugate (contains Thiomersal)

NOTE: All concentrations of harmful/irritant/corrosive/sensitising substances are at \leq 1.0% w/w and all concentrations of toxic/carcinogenic/mutagenic substances are at \leq 0.1% w/w in preparations unless otherwise stated.

3. HAZARDS IDENTIFICATION:

Thiomersal is toxic by inhalation, in contact with skin and if swallowed. It is irritating to eyes, respiratory system and skin. It is a possible mutagen, which may affect kidneys and nerves. However Thiomersal is not considered hazardous in the concentrations present in kit solutions.

Trizma Base is irritating to eyes respiratory system and skin. However Trizma base is not considered hazardous in the concentrations present in kit solutions.

4. FIRST AID MEASURES: Applicable for all kit components

Inhalation: If exposure is severe remove to fresh air

Skin: Wash skin with copious amounts of water. Remove contaminated clothing and shoes.



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Eye: Flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing of the eyes by separating the eyelids. If any irritation persists, obtain medical assistance.

Ingestion: Wash out mouth with copious amounts of water. Give plenty of water to drink. Obtain medical attention if large quantity is ingested.

5. FIRE FIGHTING MEASURES:

Precautions during fire: Avoid inhalation of fumes

Suitable extinguishing media: Use media suitable to extinguish supporting or surrounding fire. Do not use water on sodium azide containing components.

Special exposure hazards: Some components may decompose and emit toxic fumes under fire conditions (Sodium Azide, TMB, Thiomersal).

Special procedures: Self-contained breathing apparatus may be required if heavy fumes are emitted. It is advisable for protective clothing to be worn to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES:

Environmental precautions: Dispose of any contaminated material in biohazardous disposal its and in accordance with established safety procedures.

Methods for cleaning up: Wipe up spills with absorbent paper, then clean area with a concentrated chlorine solution. Discard all materials used to wipe up spills using biohazard waste facilities. Residues of extract solution are generally considered as potentially hazardous waste. All such materials should be disposed of in accordance with established safety procedures.

7. HANDLING AND STORAGE:

Handling: All clinical specimens and any infected or potentially infected material should be handled as though potentially infectious.

Storage: Store at 2 - 8°C

Specific Use: This product is for laboratory use only.



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

All patient specimens are considered potentially biohazardous materials. They should be handled at the Biosafety Level 2 as recommended for any potentially infectious specimen in the CDC/NIH manual "Biosafety in Microbiological and Biomedical Laboratories", 1998.

Inhalation: Use with adequate ventilation. Avoid inhalation.

Eye Contact: Wear goggles or safety glasses.

Skin Contact: Wear impermeable gloves and appropriate lab apparel.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Not Applicable

10. STABILITY AND REACTIVITY:

OxyDNA Test kit is stable at 2 - 8°C

11. TOXICOLOGICAL INFORMATION:

Blocking Solution contains Thiomersal and Sodium azide which are toxic by inhalation, in contact with skin and if swallowed.

12. ECOLOGICAL INFORMATION:

Thiomersal is highly toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment. Do not allow to enter waters, waste water or soil.

13. DISPOSAL / CONSIDERATIONS

Observe all Federal, State and Local laws concerning health, disposal and pollution. Dispose of all specimens and components according to established safety procedures.

14. TRANSPORT INFORMATION:

This manufactured product is not subject to the International Air Transport Association Dangerous Goods Regulations.

15. REGULATORY INFORMATION AND CONSIDERATIONS:

European Union Directive 67/548/EEC;



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European Union Directive 1999/45/EC;
EU Regulation 1907/2006

16. OTHER INFORMATION:

Training : This product should be handled only by technically qualified individuals.
The contents of this MSDS should be known before use.

Restrictions on Use: This product is for laboratory use only.

Approved: 
Health and Safety Officer

Date: 31/03/09

Approved: 
Senior Management Team Member

Date: 31/03/09