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MATERIALS SAFETY DATA SHEET

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

Product Name: OxyDNA Test.
Cat Number: 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.
Company/Undertaking Identification: Argutus Medical LTD,
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2. COMPOSITION / INFORMATION ON INGREDIENTS:

<u>Reagent</u>	<u>Content</u>
<u>Wash Concentrate:</u>	45mL of concentrated buffer (25X). Contains Trizma Base and ProClin 950.
<u>FITC Conjugate:</u>	0.5mL Binding protein-FITC conjugate (contains Gentamicin, Triton-X-100, ProClin 950 and Bronidox L).

3. HAZARDS IDENTIFICATION:

Gentamicin is toxic. It is harmful by inhalation, in contact with skin and if swallowed. Target organs are kidneys and ears.
Trizma Base is an irritant. Irritating to eyes, respiratory system and skin. Remove contaminated clothing and shoes.
Bronidox L is harmful if swallowed and irritating to skin.
ProClin 950 causes burns and sensitisation by skin contact.
Triton-X-100 is harmful. Risk of serious damage to eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

4. FIRST AID MEASURES:

Applicable for all kit components.
After inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.
After skin contact: Wash skin with copious amounts of water. Remove contaminated clothing and shoes.



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After eye contact: 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.

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

5. FIRE FIGHTING MEASURES:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Some components may decompose and emit toxic fumes under fire conditions (Trizma base, TMB, Bronidox L, Proclin 950).

6. ACCIDENTAL RELEASE MEASURES:

Methods for cleaning up: Wipe up spills with absorbent paper, then clean area with a concentrated chlorine solution (0.5% hypochlorite) and copious amounts of water. Discard all materials used to wipe up spills using biohazard waste facilities. Residues of chemicals, preparations and kit components are generally considered as hazardous waste. All such materials should be disposed of in accordance with established safety procedures.

7. HANDLING AND STORAGE:

Handling All clinical specimens should be handled as though potentially biohazardous.

Storage: Store at 2-8°C.

Specific Use: This product is for laboratory use only.

8. EXPOSURE CONTROLS:

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

Some of the reagents in this kit contain toxic or irritant components (Refer to section 3). Wear protective clothing, disposable latex gloves and eye protection while handling specimens and performing the assay. Wash hands thoroughly when finished.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Not Applicable

10. STABILITY AND REACTIVITY:

Gentamicin may form hazardous combustion or decomposition products.

Bronidox L is incompatible with strong oxidising agents.

Proclin 950 is incompatible with strong oxidising agents, amines, mercaptans and reducing agents.