

1. Information of the substance/mixture and of the company/undertaking	
1.1 Commercial product name	Phenobarbital Test Kit
Cat. No.:	TD3408
1.2 Company:	RANDOX Laboratories Ltd., 55 Diamond Road, Crumlin, Co. Antrim, United Kingdom, BT29 4QY Tel: +44 (0) 28 9442 2413; Fax: +44 (0) 28 9445 2912 Email: <a href="mailto:msds@randox.com">msds@randox.com</a> Website: <a href="http://www.randox.com">www.randox.com</a>
1.3 In Emergencies:	Tel: +44 (0) 28 9442 2413

2. Hazards identification	
	Contains no hazardous substances in reportable quantities.
Classification:	Biohazard

3. Composition / Information on Ingredients	
Warnings:	For <i>in vitro</i> diagnostic use only. Do not pipette by mouth. Handle laboratory reagents in accordance with Good Laboratory Practice. Reagent 1 is of human origin. Each batch has been tested and found negative for HIV 1 and 2 antibodies and hepatitis B surface antigen. Nevertheless, reagents should be handled as if capable of transmitting infection and disposed of accordingly. Reagents 1 and 2 contain sodium azide (0.09%). Avoid ingestion or contact with skin and mucous membranes. In case of skin contact wash affected area with water for 10 minutes. In case of contact with eyes or if ingested seek immediate medical attention.
Risk phrases:	None
Safety phrases:	None

4. First aid measures	
Emergency First Aid:	Call an internal First Aider where available or else contact a physician immediately. Direction for First Aider or Physician:
Inhalation:	If inhalation occurs move the patient to fresh air. If not breathing give artificial respiration. If breathing is difficult then give oxygen.
Ingestion:	If patient is conscious wash out mouth with water. Give one or two glasses of water or milk to dilute and induce vomiting. Get immediate medical attention.
Skin Contact:	<b>SKIN</b> Wash off skin thoroughly with water. Remove contaminated clothing and treat with dilute Virkon <sup>R</sup> (1%) briefly. Wash skin in detergent and water after swabbing with Virkon <sup>R</sup> or similar Virucidal disinfectant.
Eye Contact:	Rinse immediately with water for 10 minutes. Transport to hospital for further medical attention.

5. Fire-fighting measures	
Flash point:	Not Known
Flammable limits:	Not Known
Extinguishing media:	No restrictions: can use water, carbon dioxide, dry chemical or foam.
Special Fire Fighting Procedures:	None
Unusual Fire and Explosion Hazards:	Not Known
Thermal decomposition:	Gases, which are damaging to health, do not form in dangerous quantities.

6. Accidental release measures	
After spillage:	<p><b>Latex Reagent</b> If local regulations permit, mop up with plenty of water and run to waste diluting greatly with running water. Otherwise, transfer to container and arrange removal by disposal company. Wash site spillage thoroughly with detergent and water. For large spillages, liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages. If material has entered surface drains it may be necessary to inform local authorities, including fire services if flammable.</p> <p><b>Antibody Buffer</b> Treat material as you would human body fluids. Disposal should, therefore include autoclaving at 121°C for 20 minutes prior to appropriate disposal with regard to local regulations.</p> <p>Alternatively, decontamination using a 0.1% sodium hypochlorite is acceptable. Perform this type of decontamination in a fume hood.</p>
Absorbent material:	No restrictions

7. Handling and storage	
7.1 Handling:	Avoid contact with eyes, skin and clothing. Do not breathe dust. Wash thoroughly after handling.
7.2 Storage	Store at temperatures and conditions as indicated on the product label
Do not store together:	N/A

8. Exposure controls/personal protection	
MEL/OES	Not known
Respiratory protection:	None required
Eye protection:	Safety glasses
Hand protection:	Standard laboratory chemical rubber or latex gloves
Skin protection:	A Laboratory coat or apron is recommended

9. Physical and chemical properties	
Physical state:	Liquid Reagents
Colour:	Reagent 1: Clear, light yellow liquid Reagent 2: Milky, white liquid
Odour:	None
pH value:	Not known
Boiling point	Not known
Melting point:	Not Known
Oxidising properties:	N/D
Ignition temperature	N/D
Explosion limits:	N/D
Density:	N/D
Solubility in water:	Not Known

10. Stability and reactivity	
Stability:	Stable under ordinary conditions of use and storage.
Conditions to avoid:	N/D
Substances to avoid:	Avoid contact with metals and acids.
Hazardous decomposition products:	N/D

11. Toxicological information:	
LD50 oral	Not known
LD50 intraperitoneal	Not known
LD50 skin	Not known
LC50 inhalation	Not known
Toxicologic information:	Not known

12. Ecological information	
Water hazard class:	Data not yet available

<b>13. Disposal considerations</b>	<p>Each disposal facility must determine proper disposal methods of the substance or preparation and any contaminated packaging to comply with Local and National Environmental Regulations</p> <p>Refer to Section 6.</p>
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14. Transport Information			
GGVE/GGVS:	Data not yet available	RID/ADR	Data not yet available
ICAO/IATA-DGR:	Data not yet available	UN-Nr.:	Data not yet available
IMDG-CODE:	Data not yet available	MFAG	Data not yet available
		EMS:	Data not yet available

15. Regulatory information	
	This product contains no hazardous chemicals in reportable quantities according to CHIP 3.
Hazard symbol:	Biohazard
Risk phrases:	None
Safety phrases:	None
Precautions:	Wear Suitable Eye, hand and skin protection.

16. Other information	
	The information herein is believed to be correct as of the date hereof but is provided without warranty of any kind. The recipient of our products is responsible for observing any National laws and guidelines applicable.