

# MATERIAL SAFETY DATA SHEET

## TPHA Microtitre Plate Kit

### 1. Product and Company Information

**Product code + name:** 043A, TPHA Microtitre Plate Kit  
**Product description:** Indirect haemagglutination test for the qualitative and semi-quantitative detection of specific anti-*T. pallidum* antibodies in human serum. Stabilised avian erythrocytes sensitised an antigenic *T. pallidum* solution will agglutinate (clump) in the presence of samples containing anti-*T. pallidum* antibodies to give a characteristic pattern.

**Supplier/Manufacturer:** Lorne Laboratories Ltd  
**Address:** Unit 1 Cutbush Park Industrial Estate  
Danehill  
Lower Earley  
Berkshire RG6 4UT  
United Kingdom

**Phone number:** +44(0) 0118 921 2264  
**Fax number:** +44(0) 0118 986 4518  
**e-mail address:** [info@lornelabs.com](mailto:info@lornelabs.com)  
**Web-site address:** [www.lornelabs.com](http://www.lornelabs.com)

### 2. Composition/Information on the components

Contains no hazardous substances in reportable quantities

Component name	Concentration	R phrases	Classification
Sodium azide	<0.1%	R28, R32, R50/53	Poisonous

### 3. Hazard Identification

**Main Hazards:** This product must be classified according to directive 2001/58/EC as **non-hazardous**  
For Positive Control: Components from human origin have been tested and found negative for the presence of HbSAg, HCV and antibody to HIV (1/2). However handle cautiously as potentially infectious

### 4. First Aid measures

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting the upper and lower eyelids. Seek immediate medical advice

**Skin Contact:** Wash the contacted area with soap and water. Remove contaminated clothing and shoes. Get medical aid if irritation develops or persists

**Ingestion:** If victim is conscious and alert, wash out mouth with water. Get medical aid.

**Inhalation:** Remove from exposure and move to fresh air immediately. If breathing is difficult, get medical aid

### 5. Fire Fighting measures

**Extinguishing Media:** Not flammable. Use media to suit the surroundings  
**Unsuitable Extinguishing Media:** Not applicable. Subject to surroundings  
**Special hazards of product:** Not known  
**Protective fire fighting equipment:** None required

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### 6. Accidental release measures

**Personal Precautions Spillage:** Wear rubber gloves and protective clothing  
**Spillages:** Contain liquid with paper towels, which should subsequently be incinerated. Disinfect site of spillage  
**Environmental precautions:** Try to prevent the material from entering drains or water courses

### 7. Handling and Storage

**Handling:** Wear rubber gloves and protective clothing  
**Storage:** Storage temperature should be controlled to between 2 and 8°C. Store in the original container securely closed. Keep away from foodstuffs

### 8. Exposure Controls / Personal Protection

**Respiratory Protection:** Good local ventilation  
**Hand Protection:** Wear suitable gloves, e.g. latex or plastic gloves  
**Eye Protection:** Not required

### 9. Physical and Chemical properties

**Physical State:** Liquid  
**Colour:** Test and Control Cells: Red  
Diluent and Controls: Yellowish  
**Odour:** Odourless  
**pH:** Reagent: 7.2  
Controls: 8.2  
**Flash Point (°C):** Not applicable  
**Solubility in water (kg/m<sup>3</sup>):** Not applicable  
**Vapour Pressure (kPa):** Not applicable  
**Density (kg/m<sup>3</sup>):** Not applicable  
**Viscosity:** Not applicable  
**Decomposition Temperature (°C):** Not applicable

### 10. Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures.  
**Materials to avoid:** Not known when used appropriately  
**Hazardous decomposition products:** Not known  
**Hygiene measures:** Wash hands before breaks and after work. Do not eat, drink or smoke in the workplace

### 11. Toxicological Information

**Acute Toxicity:** Under normal circumstances and use, these products are unlikely to be acutely toxic  
**Skin sensitisation:** Under normal circumstances and use, these products are unlikely to sensitise skin

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### 12. Ecological Information

**Mobility:** The product is freely miscible with water  
**Persistence/Degradability:** Some of the ingredients are expected to be resistant to biodegradation  
**Bio-accumulation:** Not very likely

### 13. Disposal

**Product Disposal:** This material will be classified as 'biological waste' under the COPA (Special Waste) Regulations 1980 and must be disposed of in accordance with those regulations

**Container Disposal:** Empty containers may contain hazardous residues. Containers shall be disposed of by incineration as soon as possible

### 14. Transport information

**UN Number:** None assigned  
**UN Proper Shipping Name:** Not applicable  
**ADR/RID – Class:** Non Hazardous  
**IMDG – Packaging Group:** Not applicable  
**IMDG – Class:** Non Hazardous  
**IATA Packaging Group:** Not applicable  
**IATA – Class:** Non Hazardous

### 15. Labelling Information

**R phrases:** None  
**S phrases:** None

### 16. Other Information

**MSDS first issued:** 01 July 2013  
**MSDS data revised:** Not applicable

**Uses and restrictions:** Customers are urged to ensure that the product is entirely suitable for their own purpose. It is the customers' responsibility to ensure that a suitable and sufficient assessment of the risks created by the use of the product is undertaken. The use of the reagent and the interpretation of results must be carried out by properly trained and qualified personnel in accordance with the requirements of the country where the reagent is in use

This product is intended for *in vitro* diagnostic use only

**Not for use in humans**

**UK Legislation:** Health and Safety at Work etc Act, 1974, and relevant Statutory Provisions  
SI 1993/1746: Chemicals (Hazard Information and Packaging) Regulations, 1993  
SI 1988/1657: The Control of Substances Hazardous to Health Regulation