

SAFETY DATA SHEET



Chlamydia trachomatis DFA Kit

1. Identification of the substance/preparation and company/undertaking

Identification of the substance or preparation

Product name	: <i>Chlamydia trachomatis</i> DFA Kit	Code	PL.1010
Trade name	: <i>Chlamydia trachomatis</i> Direct Fluorescent Antibody Kit		PL.1010-1
	<i>Chlamydia trachomatis</i> DFA Reagent		PL.1010-2
	Mounting Medium		PL.1016/S
	Positive/Negative Control Slide		

Use of the substance/preparation : The Pro-Lab *Chlamydia trachomatis* Direct Fluorescent Antibody Kit is designed to detect and identify *Chlamydia trachomatis* organisms in urogenital specimens.

Company/undertaking identification

Supplier/Manufacturer : Pro-Lab Diagnostics
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Emergency telephone number : +44 (0)151 353 1613 -Monday to Friday 9:00 am to 5:00 pm.
+44 (0)7714 429 646 -Outside the above hours.

2. Composition/information on ingredients

Substance/preparation : Preparation

Ingredient name	CAS number	%	EC number	Classification
Glycerol	56-81-5	10 - 30	200-289-5	Not classified.
See section 16 for the full text of the R-phrases declared above				

Occupational exposure limits, if available, are listed in section 8.

3. Hazards identification

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : Not classified.

See section 11 for more detailed information on health effects and symptoms.

4. First-aid measures

First-aid measures

- Eye contact** : Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Obtain medical attention if symptoms occur.
- Skin contact** : Wash with soap and water. Obtain medical attention if symptoms occur.
- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.
- Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

See section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures
Extinguishing media

- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
- Not suitable** : None known.
- Special exposure hazards** : No specific hazard.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : If emergency personnel are unavailable, contain spilt material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dyke spilt material or otherwise contain material to ensure runoff does not reach a waterway. Place spilt material in an appropriate container for disposal.

7. Handling and storage

- Handling** : Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Store at 2-8 °C (36 °-46 °F).
- Packaging materials**
- Recommended** : Use original container.

8. Exposure controls/personal protection

Ingredient name	Occupational exposure limits
Glycerol	EH40-OES (United Kingdom (UK), 5/2003). TWA: 10 mg/m ³ 8 hour(s). Form: Mist EH40-WEL (United Kingdom (UK), 1/2005). TWA: 10 mg/m ³ 8 hour(s). Form: All forms

- Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Exposure controls

- Occupational exposure controls** : No special ventilation requirements. Good general ventilation should be sufficient to control airborne levels. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
- Eye protection** : Safety glasses.
- Skin protection** : Lab coat.
- Respiratory protection** : Not applicable.
- Hand protection** : Disposable vinyl gloves.



- Hygiene measures** : Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. During formulation, follow good industrial hygiene practice.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and chemical properties

General information

Appearance

Physical state : Liquid.

Important health, safety and environmental information

pH : Neutral.

Boiling point : Weighted average: 186.61°C (367.9°F)

Melting point : Weighted average: 9.05°C (48.3°F)

Vapour pressure : The highest known value is 2.3 kPa (17.5 mm Hg) (at 20°C) (Water).

Relative density : Weighted average: 1.1 (Water = 1)

Solubility : Easily soluble in methanol, acetone.
Insoluble in cold water, hot water.

Vapour density : Weighted average: 1.75 (Air = 1)

Evaporation rate : >1 (Glycerol) compared with Ether (anhydrous).

10. Stability and reactivity

Stability : The product is stable.

Materials to avoid : Reactive with oxidizing materials.

11. Toxicological information

Potential acute health effects

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Eye contact : No known significant effects or critical hazards.

Acute toxicity

Product/ingredient name	Test	Result	Route	Species
Glycerol	LD50	12600 mg/kg	Oral	Rat
	LD50	4090 mg/kg	Oral	Mouse
	LD50	7750 mg/kg	Oral	Guinea pig

Potential chronic health effects

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin : No known significant effects or critical hazards.

Target organs : Contains material which causes damage to the following organs: kidneys, upper respiratory tract, skin, eye, lens or cornea.

12. Ecological information
Ecotoxicity data

Product/ingredient name	Species	Period	Result
Glycerol	Oncorhynchus mykiss (LC50)	96 hour(s)	54000 mg/l

Other ecological information

- Mobility** : Not available.
- Other adverse effects** : No known significant effects or critical hazards.

13. Disposal considerations

- Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
- Hazardous waste** : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

14. Transport information
Regulatory information

UN/ IMDG/IATA / ADNR/ADR : Not regulated.

15. Regulatory information
EU regulations

- Risk phrases** : This product is not classified according to EU legislation.
- Product use** : Classification and labelling have been performed according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and the intended use.
- Industrial applications.

Other EU regulations

- Additional warning phrases** : Safety data sheet available for professional user on request.
- EU statistical classification (Tariff Code)** : 32089091

16. Other information
History

- Date of issue** : 03/30/2006
- Version** : 1

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.