

Working Standard
FITC untouched CD4+ cells
NIBSC code: SS-222
Instructions for use
(Version 1.00, Dated)

Not for in vitro diagnostic use

1. INTENDED USE

This material is intended for use as a flow cytometry control and for validation of techniques. Each vial contains a CD4 positive sub-population of human PBMC, pre-labelled with a FITC conjugated anti-CD4. The population is > 90% pure.

2. CAUTION

This preparation is not for administration to humans.

Human source material

As with all materials of biological origin, this preparation should be regarded as potentially hazardous to health. It should be used and discarded according to your own laboratory's safety procedures. Such safety procedures should include the wearing of protective gloves and avoiding the generation of aerosols. Care should be exercised in opening ampoules or vials, to avoid cuts.

3. UNITAGE

The freeze dried stabilised standard in this vial, coded SS-222, has been made from fixed leucocytes from a pool of 2 donors.

4. CONTENTS

Country of origin of biological material: **United Kingdom**.

5. STORAGE

Reference materials are held at NIBSC within assured, temperature-controlled storage facilities. On receipt, Reference Materials should be stored at 4°C until use.

6. DIRECTIONS FOR OPENING

Screw Cap Vials

7. USE OF MATERIAL

No attempt should be made to weigh out any portion of the freeze-dried material prior to reconstitution

To reconstitute this material, dissolve the entire contents of the ampoule in 1ml of sterile distilled water at room temperature and allow to equilibrate for 10-30 minutes before use. There is no need to wash before use.

8. STABILITY

Reference materials are held at NIBSC within assured, temperature-controlled storage facilities. Reference Materials should be stored on receipt at 4°C. The material should be used on the day of reconstitution and not stored. This material contains no preservative.

9. REFERENCES

N/A

10. ACKNOWLEDGEMENTS

N/A

11. FURTHER INFORMATION

Further information can be obtained as follows;

This material:

enquiries@nibsc.hpa.org.uk

WHO Biological Standards:

<http://www.who.int/biologicals/en/>

JCTLM Higher order reference materials:

<http://www.bipm.org/en/committees/jc/jctlm/>

Derivation of International Units:

http://www.who.int/biologicals/reference_preparations/en/

Ordering standards from NIBSC:

http://www.nibsc.ac.uk/products/ordering_information/frequently_asked_questions.aspx

NIBSC Terms & Conditions:

http://www.nibsc.ac.uk/terms_and_conditions.aspx

12. CUSTOMER FEEDBACK

Customers are encouraged to provide feedback on the suitability or use of the material provided or other aspects of our service. Please send any comments to enquiries@nibsc.hpa.org.uk

13. CITATION

In all publications, including data sheets, in which this material is referenced, it is important that the preparation's title, its status, the NIBSC code number, and the name and address of NIBSC are cited and cited correctly.

14. MATERIAL SAFETY SHEET

Physical and Chemical properties	
Physical appearance: Freeze-dried powder	Corrosive: No
Stable: Yes	Oxidising: No
Hygroscopic: Yes	Irritant: No
Flammable: No	Handling: See caution, Section 2
Other (specify): Contains material of human origin	
Toxicological properties	
Effects of inhalation:	Not established, avoid inhalation
Effects of ingestion:	Not established, avoid ingestion
Effects of skin absorption:	Not established, avoid contact with skin
Suggested First Aid	
Inhalation:	Seek medical advice
Ingestion:	Seek medical advice
Contact with eyes:	Wash with copious amounts of water. Seek medical advice
Contact with skin:	Wash thoroughly with water.
Action on Spillage and Method of Disposal	
Spillage of ampoule contents should be taken up with absorbent material wetted with an appropriate disinfectant. Rinse area with an appropriate disinfectant followed by water. Absorbent materials used to treat spillage should be treated as biological waste .	

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16. INFORMATION FOR CUSTOMS USE ONLY

Country of origin for customs purposes*: [United Kingdom](#)

* Defined as the country where the goods have been produced and/or sufficiently processed to be classed as originating from the country of supply, for example a change of state such as freeze-drying.

Net weight: [1.0g](#)

Toxicity Statement: [Non-toxic](#)

Veterinary certificate or other statement if applicable.

Attached: [No](#)