

**Working Standard
IFN Gamma Positive control for ELISpot
NIBSC code: SS-185
Instructions for use
(Version 1.00, Dated)**

This material is not for in vitro diagnostic use.

1. INTENDED USE

This material is intended for use as a positive control for ELISpot detection of Interferon Gamma and validation of techniques.

2. CAUTION

This preparation is not for administration to humans.

The preparation contains material of human origin, and either the final product or the source materials, from which it is derived, have been tested and found negative for HBsAg, anti-HIV and HCV RNA. 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 ELISpot standard in this vial, coded SS-185, has been made from stabilised leucocytes from a pool of 3 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

Vials have a screw cap; an internal stopper may also be present. The cap should be removed by turning anti-clockwise. Care should be taken to prevent loss of the contents. Please note: If a stopper is present on removal of the cap, the stopper should remain in the vial or be removed with the cap.

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, add 1ml of sterile distilled water at room temperature. The material should then be washed by centrifugation for 5 minutes at 400g. Carefully remove supernatant and re-suspended in 600µl of sterile PBS. Use immediately after washing. This material contains no preservative.

8. STABILITY

On receipt Reference Materials should be stored at 4°C. Once reconstituted the material should not be stored.

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/](http://www.who.int/biologicals/en/)

JCTLM Higher order reference materials:

[Http://www.bipm.org/en/committees/jc/jctlm/](http://www.bipm.org/en/committees/jc/jctlm/)

Derivation of International Units:

[Http://www.nibsc.ac.uk/products/faq.asp](http://www.nibsc.ac.uk/products/faq.asp)

Ordering standards from NIBSC:

[Http://www.nibsc.ac.uk/products/ordering_information/frequently_asked_questions.aspx](http://www.nibsc.ac.uk/products/ordering_information/frequently_asked_questions.aspx)

NIBSC Terms & Conditions:

[Http://www.nibsc.ac.uk/terms_and_conditions.aspx](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.	

15. LIABILITY AND LOSS

Information provided by the Institute is given after the exercise of all reasonable care and skill in its compilation, preparation and issue, but it is provided without liability to the Recipient in its application and use.

It is the responsibility of the Recipient to determine the appropriateness of the standards or reference materials supplied by the Institute to the Recipient ("the Goods") for the proposed application and ensure that it has the necessary technical skills to determine that they are appropriate. Results obtained from the Goods are likely to be dependant on conditions of use by the Recipient and the variability of materials beyond the control of the Institute.

All warranties are excluded to the fullest extent permitted by law, including without limitation that the Goods are free from infectious agents or that the supply of Goods will not infringe any rights of any third party.

The Institute shall not be liable to the Recipient for any economic loss whether direct or indirect, which arise in connection with this agreement.

The total liability of the Institute in connection with this agreement, whether for negligence or breach of contract or otherwise, shall in no event exceed 120% of any price paid or payable by the Recipient for the supply of the Goods.

If any of the Goods supplied by the Institute should prove not to meet their specification when stored and used correctly (and provided that the Recipient has returned the Goods to the Institute together with written notification of such alleged defect within seven days of the time

when the Recipient discovers or ought to have discovered the defect), the Institute shall either replace the Goods or, at its sole option, refund the handling charge provided that performance of either one of the above options shall constitute an entire discharge of the Institute's liability under this Condition.

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