

Non WHO Reference Material
Anti-meningococcal serosubtype P1.4 monoclonal antibody
NIBSC code: 18/222
Instructions for use
(Version 1.0, Dated 19/12/2019)

This material is not for in vitro diagnostic use.

1. INTENDED USE

For use in the In Vitro Relative Potency (IVRP) assay for Bexsero.

2. CAUTION

This preparation is not for administration to humans or animals in the human food chain.

The material contains material of bovine origin that is certified to be obtained from animals taken from a closed herd in the female line since 1980, in which no animal has been clinically suspected of having BSE and which has not been fed rations containing ruminant derived protein during that period. 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

Units of activity have not been assigned to this material.

4 CONTENTS

Country of origin of biological material: United Kingdom.

Recombinant antibody produced from hybridoma cell line (MN20B9.34). Heavy and light chain variable domains were sequenced from the hybridoma mRNA. Antibody was expressed in ExpiCHO-S cells in chemically defined media and IgG purified by protein A. Each ampoule contains 1ml of freeze dried antibody at 0.5mg/ml in the following buffer: 25mM sodium citrate tribasic dehydrate, 150mM sodium chloride, 5% FCS.

5. STORAGE

Store freeze dried ampoules and reconstituted aliquots at -20°C or below. Please note: because of the inherent stability of lyophilized material, NIBSC may ship these materials at ambient temperature.

6. DIRECTIONS FOR OPENING

DIN ampoules have an 'easy-open' coloured stress point, where the narrow ampoule stem joins the wider ampoule body. Various types of ampoule breaker are available commercially. To open the ampoule, tap the ampoule gently to collect material at the bottom (labelled) end and follow manufactures instructions provided with the ampoule breaker.

DIN ampoules have an "easy-open" coloured stress point, where the narrow ampoule stem joins the wider ampoule body.

Tap the ampoule gently to collect the material at the bottom (labeled) end. Ensure that the disposable ampoule safety breaker provided is pushed down on the stem of the ampoule and against the shoulder of the ampoule body. Hold the body of the ampoule in one hand and the disposable ampoule breaker covering the ampoule stem between the thumb and first finger of the other hand. Apply a bending force to open the ampoule at the coloured stress point, primarily using the hand holding the plastic collar.

Care should be taken to avoid cuts and projectile glass fragments that might enter the eyes, for example, by the use of suitable gloves and an eye shield. Take care that no material is lost from the ampoule and no glass falls into the ampoule. Within the ampoule is dry nitrogen gas at slightly less than atmospheric pressure. A new disposable ampoule breaker is provided with each DIN ampoule.

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7. USE OF MATERIAL

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

Resuspend each ampoule with 1ml sterile, distilled water. Ensure the entire content of each ampoule is fully resuspended.

8. STABILITY

Reference materials are held at NIBSC within assured, temperature-controlled storage facilities. Reference Materials should be stored on receipt as indicated on the label.

NIBSC follows the policy of WHO with respect to its reference materials.

9. REFERENCES

Poolman et al., Clin. Diagn. Lab. Immunol. 2: 69-72, 1995.

10. ACKNOWLEDGEMENTS

The material was produced from a hybridoma cell line (MN20B9.34) which was donated to NIBSC by The Netherlands National Institute for Public Health and the Environment (RIVM).

11. FURTHER INFORMATION

Further information can be obtained as follows;

This material: enquiries@nibsc.org

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.nibsc.org/standardisation/international_standards.aspx

Ordering standards from NIBSC:

http://www.nibsc.org/products/ordering.aspx

NIBSC Terms & Conditions:

http://www.nibsc.org/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.org

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

Classification in accordance with Directive 2000/54/EC, Regulation (EC) No 1272/2008: Not applicable or not classified

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Physical and Chemical properties						
Physical appearance:	Corrosive: No					
Freeze dried powder						
Stable: Yes	Oxidising: No					
Hygroscopic: No	Irritant: No					
Flammable: No	Handling:See caution, Section 2					
Other (specify): N/A						
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 s						



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 Dianocal				

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

In the event that this document is translated into another language, the English language version shall prevail in the event of any inconsistencies between the documents.

Unless expressly stated otherwise by NIBSC, NIBSC's Standard Terms and Conditions for the Supply of Materials (available at http://www.nibsc.org/About_Us/Terms_and_Conditions.aspx or upon request by the Recipient) ("Conditions") apply to the exclusion of all other terms and are hereby incorporated into this document by reference. The Recipient's attention is drawn in particular to the provisions of clause 11 of the Conditions.

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 freezedrying.

Net weight: 4.5g

Toxicity Statement: Toxicity not assessed

Veterinary certificate or other statement if applicable.

Attached: No

Specificity	Source of mAb	NIBSC hybridoma stock number	Isotype	Resuspension
Meningococcal serosubtype P1.4	Recombinant version of hybridoma MN20B9.34	4022	lgG2a	Each ampoule should be resuspended in 1ml distilled water

UK Official Medicines Control Laboratory