



**Non WHO Reference Material
Anti-Meningococcal Serosubtype P1.2 Monoclonal Antibody,
NIBSC code: 02/178
Instructions for use
(Version 6.0, Dated 19/12/2019)**

This material is not for in vitro diagnostic use.

1. INTENDED USE

For use as a typing reagent eg whole cell dot blot, whole cell ELISA.

2. CAUTION

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

The preparation 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. Refer to Table on page 2 for recommended working concentrations.

4. CONTENTS

Country of origin of biological material: United Kingdom.
Each ampoule contains the freeze-dried powder from 1 ml cell culture supernatant concentrated approximately 24 fold. Antibody is of murine origin.

5. STORAGE

Store freeze-dried ampoules and reconstituted aliquots at -20°C
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.

7. USE OF MATERIAL

No attempt should be made to weigh out any portion of the freeze-dried material prior to reconstitution.
Reconstitute the contents of each ampoule with 1 ml 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.

The recommended working concentrations were correct at the time of manufacture – no information is available on long term stability. Stability of the reconstituted material should be determined by the user. Users who have data supporting any deterioration in the characteristics of any reference preparation are encouraged to contact NIBSC.

9. REFERENCES

Poolman *et al.* (1995). Clin. Diagn. Lab. Immunol, 2:69-72.
Tzitzilonis *et al.* (2006). PROTEINS: Structure, Function and Bioinformatics, 62:947-955

10. ACKNOWLEDGEMENTS

This material was produced from hybridoma cell line MN16C13F4 provided by the National Institute for Public Health and Environmental Protection, Bilthoven, The Netherlands.

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

Physical and Chemical properties	
Physical appearance: Freeze dried powder	Corrosive: No
Stable: Yes	Oxidising: No
Hygroscopic: No	Irritant: No
Flammable: No	Handling: See caution, Section 2
Other (specify): contains material of bovine 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.

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 freeze-drying.
Net weight: 4.5 g
Toxicity Statement: Toxicity not assessed
Veterinary certificate or other statement if applicable. Attached: No

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

3. UNITAGE Continued

Specificity	Source of mAb ¹	NIBSC hybridoma stock number ²	Isotype	Resuspension	Concentration of reconstituted stock to use in dot-blot	Concentration of reconstituted stock to use in whole cell ELISA
Serosubtype P1.2	Poolman MN16C13F4	4021	IgG2a	Each Din Ampoule should be resuspended with 1ml distilled water	1 in 1000	1 in 5000

Explanation of numbering system:

1. Source of mAb: The person in whose laboratory the hybridomas were isolated and their hybridoma clone designation.
2. NIBSC hybridoma stock number: this number was assigned at NIBSC when we received the hybridoma cells and is for NIBSC stock control only.
3. Determined by S.Gray Manchester Meningococcal Reference Unit