



**Influenza Reagent**  
**Influenza A/USSR/92/77 (H1N1) antigen**  
**NIBSC code: 79/558**  
**Instructions for use**  
**(Version 3.0, Dated 31/03/2008)**

**1. INTENDED USE**

Influenza antigen reagent 79/558 is prepared for the single radial diffusion assay of A/USSR/92/77 (H1N1) antigens using an appropriate NIBSC antiserum reagent.

**2. CAUTION**

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

The material is not of human or bovine origin. 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** Antigen Reagent 79/558 contains 43 micrograms of haemagglutinin antigen activity.

**4. CONTENTS**

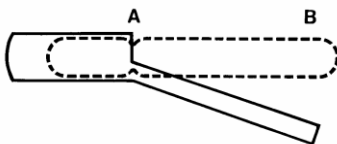
Country of origin of biological material: United Kingdom.  
Antigen Reagent 79/558 is prepared from inactivated, partially purified A/USSR/92/77 (H1N1) which was suspended in PBSA buffer containing 1% (w/v) sucrose and processed for freeze-drying in 1ml volumes as described by Campbell, PJ Journal of Biological Standardisation, 1974, 2, 249-267.

**5. STORAGE** -20°C

**Please note: because of the inherent stability of lyophilized material, NIBSC may ship these materials at ambient temperature.**

**6. DIRECTIONS FOR OPENING**

Tap the ampoule gently to collect the material at the bottom (labelled) end. Ensure ampoule is scored all round at the narrow part of the neck, with a diamond or tungsten carbide tipped glass knife file or other suitable implement before attempting to open. Place the ampoule in the ampoule opener, positioning the score at position 'A'; shown in the diagram below. Surround the ampoule with cloth or layers of tissue paper. Grip the ampoule and holder in the hand and squeeze at point 'B'. The ampoule will snap open. Take care to avoid cuts and projectile glass fragments that enter eyes. Take care that no material is lost from the ampoule and that no glass falls into the ampoule.



Side view of ampoule opening device containing an ampoule positioned ready to open. 'A' is the score mark and 'B' the point of applied pressure.

**7. USE OF MATERIAL**

**No attempt should be made to weigh out any portion of the material**

For all practical purposes each ampoule contains the same quantity of the substances listed above. Reconstitute the total contents of one ampoule of Reagent with 1ml of distilled water. Allow to stand for a minimum of 5

minutes before use to allow for complete solutions of freeze-dried material. Antigen Reagent 78/560 should be used according to the method described by Wood JM, Schild GC, Newman RW and Seagroatt VA, Journal of Biological Standardization, 1977, 5 237-247, with the following modification. Antigen Reagent 78/560 is suitable for use to assay A/England/321/77 (NIB4) antigens. This preparation may not be suitable for SRD of antigens derived from A/Texas/1/77 (X49)(A/England/864/75)

**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**

None

**10. ACKNOWLEDGEMENTS**

None

**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](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](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: White powder                           | Corrosive: No                    |
| Stable: Yes   | Oxidising: No                    |
| Hygroscopic: No   | Irritant: No                     |
| Flammable: No   | Handling: See caution, Section 2 |
| Other (specify): Contains inactivated human influenza virus |                                  |
| Toxicological properties                                    |                                  |
| Effects of inhalation:                                      | Avoid inhalation                 |



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|--|
| Effects of ingestion: Avoid ingestion  |
| Effects of skin absorption: Avoid contact with skin  |
| <b>Suggested First Aid</b>   |
| 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.   |
| <b>Action on Spillage and Method of Disposal</b>   |
| 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.<br>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](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

|   |
|---|
| <b>Country of origin for customs purposes*:</b> United Kingdom<br>* 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. |
| <b>Net weight:</b> 1g   |
| <b>Toxicity Statement:</b> Non toxic  |
| <b>Veterinary certificate or other statement</b> if applicable.<br><b>Attached:</b> No  |