

Standards available at the National Institute for Biological Standards and Control (NIBSC)

The following details some of the various standards and reference materials available from NIBSC relevant to transfusion medicine. A catalogue is available from NIBSC on request and on the website www.nibsc.ac.uk.

Table A1.1 Serological, virological and other preparations

Serological	Status	Code
Anti-Human Platelet Antigen-1a minimum potency reagent	IRR	05/106
Anti-Human Platelet Antigen-5b minimum potency reagent	IRR	99/666
Anti-Human Platelet Antigen-3a minimum potency reagent	IRR	03/190
Anti-Human Platelet Antigen-1a <i>Intended for quantitation of anti-HPA-1a in International units</i>	IS	03/152
Anti-A minimum potency for blood grouping reagents	IS	03/188
Anti-B minimum potency for blood grouping reagents	IS	03/164
Anti-D minimum potency for blood grouping reagents <i>Intended to be used as the reference preparation for minimum acceptable potency of anti-D blood grouping reagents</i>	IS	99/836
Anti-D (Rho) antibodies, human <i>Intended to be used in the assay of plasma/serum anti-D levels by automated haemagglutination</i>	B†	73/515
Anti-c incomplete blood typing serum, human	IS	W1007 (67/160)
Anti-c serum, human <i>Intended to be used in the assay of plasma/serum anti-c levels by automated haemagglutination</i>	B†	84/628
Anti-C complete blood typing serum, human	IS	W1004
Anti-E complete blood typing serum, human	IS	W1005
Anti-D for operator proficiency* <i>Intended to be used to assure the efficacy of red cell washing prior to the addition of an anti-globulin reagent, and to assess operator variability in the detection of weak, macroscopic agglutination in the spin-tube anti-globulin test</i>	B	95/784
Anti-human globulin	ICSH/ISBT	96/666
Papain preparation for use with anti-D preparation 91/562*	ICSH/ISBT	92/658
Anti-D for use with papain preparation 92/658* <i>Intended to check the efficacy of enzyme preparations</i>	ICSH/ISBT	91/562
Anti-D immunoglobulin, human <i>Intended for use in anti-D potency assays of anti-D immunoglobulin products</i>	IS	01/572
Anti-D immunoglobulin control* <i>Intended for use as a control in anti-D potency assays of anti-D immunoglobulin products to monitor assay consistency</i>	NR	99/728
Biotinylated Brad-5 (Bio-Brad-5)* <i>Intended for use in the competitive enzyme-linked immunoassay of potency of anti-D immunoglobulin products</i>	NR	99/698
Negative control for FCXM* <i>For use in flow cytometry cross matching (FCXM) and anti-HLA serology</i>	B†	02/282
Minimum potency positive control for FCXM* <i>For use in flow cytometry cross matching (FCXM) and anti-HLA serology</i>	B†	07/214
Virological		
Anti-HAV Immunoglobulin	IS	97/646
Anti-HBc	IS	95/522

Anti-HBs Immunoglobulin	IS	07/164
Anti-measles serum (for use in neutralization assays only)	IS	97/648
Anti-parvovirus B19 serum (IgG), human	IS	01/602
Anti-VZ Immunoglobulin	IS	W1044
Anti-poliovirus serum, types 1, 2 and 3	IS	82/585
Anti-rubella serum	B†	67/182
Hepatitis B surface antigen (HBsAg) (subtype adw2, genotype A)	IS	00/588
Hepatitis A virus RNA	IS	00/560
Hepatitis C virus RNA	IS	06/100
HCV genotype panel	NR	02/202
Hepatitis B virus DNA	IS	97/750
HIV-1 p24 antigen	IRR	90/636
HIV-1 RNA for NAT	IS	97/650
HIV-1 RNA genotype reference panel	IRR	01/466
Anti-HIV-1 British Working Standard (1 in 5 dilution)*	B†	99/710
Low level control materials for HBsAg and anti-HCV	B†	See NIBSC catalogue for current batches
Anti-HIV-1 British Working Standard*	B†	99/750
Anti-HIV reference panel	IRR	02/210
Anti-HIV-2 Monitor Sample*	NR †	99/674
Anti-HTLV-1 Monitor Sample*	NR †	03/104
Parvovirus B19 DNA	IS	99/800
NAT working reagent for HAV RNA*	NR	01/488
NAT working reagent for HBV DNA*	NR	05/148
NAT working reagent for HCV RNA*	NR †	02/264
NAT working reagent 1 for HIV-1 RNA (medium copy number)*	NR †	99/634
NAT working reagent 2 for HIV-1 RNA (high copy number)*	NR †	99/636
NAT Working Reagent 3 for HIV-1 RNA (low copy number)*	NR	05/158
NAT working reagent for B19 DNA*	NR	99/736
NAT working reagent for multiplex (HCV, HBV, HAV, HIV, B19)*	NR	99/732
Endotoxin	IS	94/580
Tetanus antitoxin	NR	76/589

See the NIBSC website for details of materials currently available

Key

IRR – International Reference Reagent or Panel

IS – International Standard

ICSH/ISBT – International Committee for Standardization in Haematology/International Society of Blood Transfusion

B – British Standard/Reference Reagent

NR – NIBSC Reagent

* Working Standards supplied as multiples of 5

† CE marked

Table A1.2 Coagulation preparations – WHO International Standards

Factor	Plasma	Concentrate	Purified	Code
ATIII	✓			93/768
ATIII		✓		06/166
Fibrinogen	✓			98/612
Fibrinogen		✓		98/614

II	✓		99/826
II		✓	98/590
IX	✓		99/826
IX		✓	07/182
IXa		✓	97/562
Protein C	✓		02/342
Protein C		✓	04/252
Protein S	✓		03/228
Thrombin		✓	01/580
V	✓		03/116
VII	✓		99/826
VIIa		✓	07/228
VII		✓	97/592
VIII	✓		02/150
VIII		✓	99/678
VWF	✓		02/150
VWF		✓	00/514
X	✓		99/826
X		✓	98/590
XI	✓		04/102
XIII	✓		02/206

Table A1.3 Coagulation preparations – British Standards

Preparation	Code
Blood Coagulation Factor VIII, Concentrate, Human (12th BS)*	02/122
Blood Coagulation Factors II, IX, X, Concentrate, Human (5th BS)*	02/162

* Working Standards supplied as multiples of 5

How to order

NIBSC does not charge for the reference materials themselves; however, there is a handling charge to part-cover administration and storage costs. The current handling charge (from the 1st April 2008) is GB £58.00 per ampoule/vial. Those preparations identified as 'working standards' are supplied as multiples of five with a current handling charge of GB £75.00 per five ampoules/vials. Panels are £117.50. NIBSC periodically adjusts the handling charge. Any changes to the handling charge are detailed on our website (www.nibsc.ac.uk). This handling charge covers the shipping cost of preparations that can be dispatched by (air) mail.

You can place an order by:

Mail: NIBSC, PO Box 1193, Blanche Lane, South Mimms, Potters Bar, Herts, EN6 3QH, United Kingdom

Fax: +44 (0) 1707 641064

E-mail: standards@nibsc.ac.uk

Telephone: +44 (0) 1707 641467, with 24 hour answer-phone (for enquiries only)

Orders should include the following information:

- ✍ your full dispatch address and invoice address (if different).
- ✍ your purchase order number.
- ✍ for EU customers, your VAT number or VAT exemption certificate.
- ✍ for each item ordered, the NIBSC code number, preparation name and number of ampoules/vials required.
- ✍ for preparations that are to be sent by courier/air freight, we must have a contact name along with both contact telephone and fax numbers.
- ✍ your e-mail address or fax number. We will acknowledge receipt of your order. We would prefer to contact you by e-mail.

In addition, orders for infectious materials must be ordered on an NIBSC order form for infectious materials. These forms are available from our website www.nibsc.ac.uk.