

Genetic Disorders

Organization	FDA-Approved	CE Marked	Certified & Standardized Reference Materials
National Institute for biological Standards and Controls (NIBSC) http://www.nibsc.ac.uk/products/biological_reference_materials.aspx			04/224: Factor V Leiden, Human gDNA, 1st International Genetic Reference Panel 2004- WHO International Standard or Reference Reagent
			05/130: Prothrombin Mutation G20210A, Human gDNA, 1st International Genetic Reference Panel 2005- WHO International Standard or Reference Reagent
			08/158: Fragile X Syndrome gDNA Genetic Reference Panel- WHO International Standard or Reference Reagent
			08/160: Haemophilia A, Intron-22 inversion, gDNA, Genetic Reference Panel- WHO International Standard or Reference Reagent
			09/138: Genetic Reference Panel, for the quantitation of BCR-ABL translocation by RQ-PCR (1st International Standard) WHO International Standard or Reference Reagent
			09/140 Prader Willi & Angelman Syndromes, Human gDNA, (1st International Genetic Reference Panel) WHO International Standard or Reference Reagent
			09/138: Genetic Reference Panel, for the quantitation of BCR-ABL translocation by RQ-PCR (1st WHO International Standard)
		05/208-001: HLA-A Genotyping Reference Panel	
		11/218-001: MLH1/MSH2 Exon Copy Number Reference Panel.	
Institute for Reference Materials and Measurements (IRMM) http://irmm.jrc.ec.europa.eu/			IRMM/IFCC-490 Sequence of 609 bp DNA fragment from human prothrombin gene (G20210 wildtype sequence)
			IRMM/IFCC-491 Sequence of 609 bp DNA fragment from human prothrombin gene (point mutation G20210A)
			IRMM/IFCC-492 Sequence of 609 bp DNA fragments from human prothrombin (G20210 wildtype and point mutation G20210A sequences)

National Institute of Standards and Technology (NIST) http://www.nist.gov			SRM2394: human mitochondrial DNA Mutation Detection Standard
			SRM2393: CAG Repeat Length Mutation in Huntington's Disease Standard
			SRM2392: Mitochondrial DNA Sequencing Standard
Maine Molecular Quality Controls http://mmqci.com	INTROL CF Panel I		
	INTROL CF Panel II		
National Institute for biological Standards and Controls (NIBSC) http://www.nibsc.ac.uk/products/biological_reference_materials.aspx			10/234: Genomic DNA for blood group genotyping RBC12 (International Reference Reagent)
			10/236: Genomic DNA for blood group genotyping RBC4(OR1R2) (International Reference Reagent)
			10/238: Genomic DNA for blood group genotyping RBC5(Brr) (International Reference Reagent)
			10/232: Genomic DNA for blood group genotyping RBC1(AR1R1) (International Reference Reagent)
		11/214: Blood Group Genotyping Reference Panel	
		10/136-001: HLA-DRB1 Genotyping Reference Panel	
		11/218-001: MLH1/MSH2 Exon Copy Number Reference Panel	

Infectious Disease -Virus

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National Institute of Standards and Technology (NIST) http://www.nist.gov v			SRM2366: Mytomegalovirus (CMV) for DNA Measurements
			06/102: Hepatitis C Virus for Nucleic Acid Amplification Techniques (4th WHO International Standard)
		02/264-003: HCV RNA Working Reagent for Nucleic Acid Amplification Techniques	
			08/150: HIV-2 RNA(WHO 1st International Standard)
			09/162: Human Cytomegalovirus (HCMV) for Nucleic Acid Amplification Techniques (1st International Standard)
			08/214: Neisseria meningitidis serogroup C polysaccharide (1st International Standard)
			09/260: Epstein-Barr Virus (1st International Standard)
			10/152: HIV-1 RNA (3rd International standard)
			08/358: HIV-1RNA Genotype Panel (Non WHO Reference Material)
		99/634-006: HIV-1 RNA Working Reagent 1 (PWS-1) for NAT Assays	
		99/636-005: HIV-1 RNA Working Reagent 2 for NAT assays	
			09/110: Parvovirus B19 DNA Nucleic Acid Amplification Technology(NAT) based assays Genotype Panel (1st WHO International Standard)
			99/802: Parovirus B19 DNA NAT assays. (2nd WHO International Standard)

	11/208-001: Parvovirus B19 Working reagent for Nucleic Acid Amplification Testing (NAT)	
		10/264: Hepatitis B Virus for Nucleic Acid Amplification Techniques (3rd WHO International Standard)
	11/182-001: HBV DNA Working Reagent	
		00/560: Hepatitis A Virus RNA NAT Assays. WHO International Standard or Reference Reagent
	01/488: Hepatitis A Virus RNA Working Reagent for NAT assays	
		06/202: HPV 16 DNA. Who International Standard or Reference Reagent
		06/206: HPV 18 DNA. Who International Standard or Reference Reagent
	09/B570-02, 09/B586-02: QCRFLUAH1N1PC1- Influenza AH1N1 PC1	
	11/B604-001: Influenza H5 PC1	
	07/298-003: Influenza Virus (A/Wyoming/3/20 03, H3N2) for Nucleic Acid Amplification Techniques	
	07/300-003: Influenza Virus (B/Jiangsu/10/200 3) for Nucleic Acid Amplification Technique	

National Institute
for biological
Standards and
Controls (NIBSC)
[http://www.nibsc.
ac.uk/products/bio
logical_reference_
materials.aspx](http://www.nibsc.ac.uk/products/biological_reference_materials.aspx)

	07/296-003: Influenza Virus (A/Christchurch/1/ 2003, H1N1) for Nucleic Acid Amplification Techniques	
	08/114-003: Human Adenovirus serotype 2 for Nucleic Acid Amplification Techniques	
	08/118-002: Parainfluenza Virus serotype 3 for Nucleic Acid Amplification Techniques	
	08/120-003: Human Respiratory syncytial virus A2 for Nucleic Acid Amplification Techniques	
	08/174-003: Human Coxsackie B4 for Nucleic Acid Amplification Techniques	
	08/310-002: Varicella Zoster Virus (Type B) Working Reagent for Nucleic Acid Amplification Testing (NAT)	
	07/294-003: Norovirus GII for Nucleic Acid Amplification Techniques	

	08/176-003: Parainfluenza Virus serotype 1 for Nucleic Acid Amplification Techniques	
	08/178-002: Parainfluenza Virus serotype 2 for Nucleic Acid Amplification Techniques	
	08/180-002: Parainfluenza virus serotype 4 for Nucleic Acid Amplification Techniques	
	08/224-003: Human Herpes Simplex virus type 1 for Nucleic Acid Amplification Techniques	
	08/226-002: Human Herpes Simplex virus type 2 for Nucleic Acid Amplification Techniques	
	08/314-004: Human Cytomegalovirus for Nucleic Acid Amplification Techniques	
	08/316-002: Epstein-Barr Virus for Nucleic Acid Amplification Techniques	

	08/318-003: Human Norovirus GI Working Reagent for Nucleic Acid Amplification Testing	
	08/320-002: Human Metapneumovirus Working Reagent for Nucleic Acid Amplification Testing	
	08/332-002: Human Parechovirus Working Reagent for Nucleic Acid Amplification Testing	
	08/324-003: Rhinovirus Genogroup A Working Reagent for Nucleic Acid Amplification Testing	
	09/132-002: Human Coronavirus 229E Working Reagent for Nucleic Acid Amplification Testing	
	09/320-001: Neisseria meningitidis for Nucleic Acid Amplification Testing (NAT)	

		99/732: Multiplex Working Reagent (HCV, HBV, HAV, HIV, B19)	
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Infectious Disease - Bacteria

Organization	FDA-Approved	CE Marked	Certified & Standardized Reference Materials
LGC/ATCC www.atcc.org			CRM-6633 <i>Bacillus subtilis</i> subsp. <i>Spizizenii</i> (NRS 231)
			CRM-11437 <i>Clostridium sporogenes</i> (L.S. McClung 2006)
			CRM-8739 <i>Escherichia coli</i> (Crooks)
			CRM-11229 <i>Escherichia coli</i> (AMC 198)
			CRM-9341 <i>Kocuria rhizophila</i> (FDA strain PCI 1001)
			CRM-9027 <i>Pseudomonas aeruginosa</i> (R. Hugh 813)
			CRM-27853 <i>Pseudomonas aeruginosa</i> (Boston 41501)
			CRM-14028 <i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Typhimurium (CDC 6516-60)
			CRM-6538 <i>Staphylococcus aureus</i> (FDA 209)
			CRM-12228 <i>Staphylococcus epidermidis</i> (FDA strain PCI 1200)

Fungi and Yeast

Organization	FDA-Approved	CE Marked	Certified & Standardized Reference Materials
ATCC www.atcc.org			CRM-16404 <i>Aspergillus brasiliensis</i> (WLRI 034 (120))
			CRM-1-231 <i>Candida albicans</i> (3147)
			CRM-9763 <i>Saccharomyces cerevisiae</i> (NRRL Y-567)

Cell Lines

Organization	FDA-Approved	CE Marked	Certified & Standardized Reference Materials
ATCC www.atcc.org			CRM-CCL-2 HeLa
			CRM-CRL-1550 Ca Ski
			CRM-HTB-31 C-33 A