

List of tests performed in Microbiology on blood samples

No.of copies :	3
Location of copies :	1. Pathology main reception
	2. Bacteriology reception
	3.Virology reception

1. Summary of Revision box

Version	Summary of change
1	Not applicable – first issue.
2	Updated for all tests and samples types in table

2. Responsibilities of Staff/Personnel

BMS, BMA and MLA staff may need to know this information

3. Purpose

This list describes the tests performed in Virology for antibodies or PCR. These may be requested on blood sciences forms and reception staff need to know what samples need to be passed to virology and can be used as guide in case of a telephone enquiry

Test/s	Specimen Type	Tested at	Comments
Antenatal Screen (HIV, Syphilis, Hepatitis B)	4.9 ml clotted Gel sample (brown top)	Barnsley Virology	Must be a dedicated sample for Virology. Serum is stored for 2 years.
Antistreptolysin O	4.9 ml clotted Gel sample (brown top)	Rotherham Microbiology	Plus Anti-DNAse testing
Arbovirus serology (bunyaviridae, Flaviviridae,togaviridae)	4.9 ml clotted Gel sample (brown top)	Special Pathogens Reference Unit	Must include relevant clinical details
Aspergillus precipitins Avian precipitins	4.9 ml clotted Gel sample (brown top)	Immunology Sheffield	
Borrelia serology (Lyme disease)	4.9 ml clotted Gel sample (brown top)	Special Pathogens Reference Unit	Must include relevant clinical details
Bordetella Pertussis (Whooping Cough)	4.9 ml clotted Gel sample (brown top)	Colindale	Cough >3 weeks
Brucella serology	4.9 ml clotted Gel sample (brown top)	Brucella Reference Unit, Liverpool	Must include relevant clinical details
Chikungunya virus	4.9 ml clotted Gel sample (brown top)	Special Pathogens Reference Unit	Please supply symptoms, travel country and dates of travel
Coxiella (Q fever) serology	4.9 ml clotted Gel sample (brown top)	Special Pathogens Reference Unit	Must include relevant clinical details
Cryptococcal antigen	4.9 ml clotted Gel sample (brown top)	Mycology Reference Lab, Bristol	
Cytomegalovirus CMV serology IgM, IgG, avidity	4.9 ml clotted Gel sample (brown top)	Rotherham Microbiology	
Cytomegalovirus PCR / DNA viral load	4.9 ml EDTA (red top)	Virology Sheffield	
Dengue fever serology	4.9 ml clotted Gel sample (brown top)	Special Pathogens Reference Unit	Please supply symptoms, travel country and dates of travel
Diphtheria antibodies	4.9 ml clotted Gel sample (brown top)	Birmingham Immunology	
Epstein Barr Virus (EBV) serology	4.9 ml clotted Gel sample (brown top)	Rotherham Microbiology	
Epstein Barr Virus (EBV) PCR / DNA viral load	4.9 ml EDTA (red top)	Virology Sheffield	
Farmer's lung / Aspergillus precipitins	4.9 ml clotted Gel sample (brown top)	Immunology Sheffield	

Galactomanan (Aspergillus) / B-Glucan / Candida serology Systemic fungal screen	4.9 ml clotted Gel sample (brown top)	Bristol Mycology Reference Laboratory	
Haemophilus antibodies / Pneumococcal antibodies	4.9 ml clotted Gel sample (brown top)	Immunology Sheffield	Pre and post vaccination
Hantavirus serology	4.9 ml clotted Gel sample (brown top)	Special Pathogens Reference Unit	Please supply symptoms, travel country and dates of travel
Hepatitis A, B C screen, Hepatitis B antibody check	4.9 ml clotted Gel sample (brown top)	Barnsley Virology	Please use High Risk stickers where appropriate. Please supply vaccine history
Hepatitis B markers for confirmation / DNA viral load monitoring	4.9 ml clotted Gel sample (brown top)	Virology Sheffield	Please use High Risk stickers
Hepatitis C RNA viral load	4.9 ml clotted Gel sample (brown top)	Virology Sheffield	Please use High Risk stickers
Hepatitis D (Only indicated for Hep B positive patients)	4.9 ml clotted Gel sample (brown top)	Colindale	Please use High Risk stickers
Hepatitis E serology and RNA	4.9 ml clotted Gel sample (brown top)	Virology Sheffield	
Herpes Simplex Type specific IgM and IgG antibodies	4.9 ml clotted Gel sample (brown top)	Medical Microbiology Partnership, Manchester	
Herpes PCR (infant protocol)	4.9 ml EDTA (red top) or paediatric EDTA	Virology Sheffield	
HIV antigen / antibody (Screen)	4.9 ml clotted Gel sample (brown top)	Barnsley Virology	Please use High Risk stickers where appropriate.
HIV confirmation	4.9 ml clotted Gel sample (brown top)	Virology Sheffield	Please use High Risk stickers
HIV RNA viral Load / HIV resistance testing	9 ml EDTA (red top)	Virology Sheffield	Please use High Risk stickers
HIV proviral DNA (specialist test for infants)	4.9 ml EDTA (red top)	Colindale	Please use High Risk stickers
HTLV1/2 serology	4.9 ml clotted Gel sample (brown top)	Virology Sheffield	
Leptospira serology	4.9 ml clotted Gel sample (brown top)	Porton Down	Please supply relevant clinical details
Measles serology	4.9 ml clotted Gel sample (brown top)	Rotherham Microbiology	

Meningococcal PCR and Pneumococcal PCR	4.9 ml EDTA (red top) or paediatric EDTA	Meningococcal reference Lab (Manchester)	
Meningococcal antibodies	4.9 ml clotted Gel sample (brown top)	Meningococcal reference Lab (Manchester)	Please provide vaccination history
Parvovirus serology	4.9 ml clotted Gel sample (brown top)	Rotherham Microbiology	
Parvovirus PCR	4.9 ml EDTA (red top)	Virology Sheffield	
Procalcitonin level	4.9 ml clotted Gel sample (brown top)	Barnsley Virology	Repeat samples within 48 will generally be rejected
Rickettsial antibody	4.9 ml clotted Gel sample (brown top)	Special Pathogens Reference Unit	Please supply symptoms, travel country and dates of travel
Rubella serology	4.9 ml clotted Gel sample (brown top)	Rotherham Microbiology	
SARS-COV-2 antibody test	4.9 ml clotted Gel sample (brown top)	Rotherham Microbiology/Blood Sciences	
Staphylococcal antibodies	4.9 ml clotted Gel sample (brown top)	Colindale	
Streptococcal antibodies	4.9 ml clotted Gel sample (brown top)	Colindale	
Syphilis serology (screen)	4.9 ml clotted Gel sample (brown top)	Barnsley Virology	
Syphilis referral (TPPA, RPR, IgM)	4.9 ml clotted Gel sample (brown top) or 2 ml paediatric clotted blood	Virology Sheffield	
TB. Quantiferon	9 ml ORANGE top Lithium Heparin or 3 x 2ml lithium heparin (paediatric)	Barnsley Microbiology	Requires processing within 6 hours. Please take and send to the laboratory within core working hours.
Teicoplanin Level	4.9 ml clotted Gel sample (brown top)	Sheffield Biochemistry	Please supply dose and times information
Tetanus antibodies	4.9 ml clotted Gel sample (brown top)	Immunology Sheffield	
Tobramycin level	4.9 ml clotted Gel sample	Sheffield Biochemistry	Please supply dose and times information

	(brown top)		
Toxoplasma serology	4.9 ml clotted Gel sample (brown top)	Rotherham Microbiology	Please supply relevant clinical details
Toxoplasma referral serology (IgM, Dye test)	4.9 ml clotted Gel sample (brown top)	Toxoplasma Reference Lab, Swansea	Please supply relevant clinical details
Tropical disease serology: Amoebic serology Filaria Hydatid Leishmania Schistosomiasis Strongoloides Toxocara	4.9 ml clotted Gel sample (brown top)	Hospital for Tropical Diseases, London	Please supply symptoms, travel country and dates of travel
Vancomycin assay	4.9 ml clotted Gel sample (brown top)	Sheffield Biochemistry	Please supply dose and times information
Varicella Zoster serology (Chicken pox)	4.9 ml clotted Gel sample (brown top)	Barnsley Virology	Please mention if patient is pregnant or immunosuppressed. Please telephone the laboratory for urgent testing.
Varicella Zoster PCR (systemic infection)	4.9 ml EDTA (red top) or 2 ml paediatric EDTA	Virology Sheffield	
Voriconazole level / Itraconazole level / Amikacin level	4.9 ml clotted Gel sample (brown top)	Bristol Antibiotic Laboratory	Please supply dose and times information
Zika virus serology	4.9 ml clotted Gel sample (brown top)	Colindale	Please supply symptoms, travel country and dates of travel