Barnsley/Rotherham Integrated Laboratories Filename: SOP-MC-VIR-D-46- List of Serology

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Department: Microbiology QMS No: SOP-MC-VIR-D-46

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

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

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	T	T	1
Galactomanan	4.9 ml clotted	Bristol Mycology	
(Aspergillus) / B-Glucan /	Gel sample	Reference Laboratory	
Candida serology	(brown top)		
Systemic fungal screen			
Haemophilus antibodies /	4.9 ml clotted	Immunology Sheffield	Pre and post vaccination
Pneumococcal antibodies	Gel sample		
	(brown top)		
Hantavirus serology	4.9 ml clotted	Special Pathogens	Please supply symptoms,
	Gel sample	Reference Unit	travel country and dates of
	(brown top)		travel
Hepatitis A, B C screen,	4.9 ml clotted	Barnsley Virology	Please use High Risk stickers
Hepatitis B antibody	Gel sample		where appropriate.
check	(brown top)		Please supply vaccine
	, , , , ,		history
Hepatitis B markers for	4.9 ml clotted	Virology Sheffield	Please use High Risk stickers
confirmation / DNA viral	Gel sample		Ŭ
load monitoring	(brown top)		
Hepatitis C RNA viral load	4.9 ml clotted	Virology Sheffield	Please use High Risk stickers
	Gel sample		Trease ass mgm men selection
	(brown top)		
Hepatitis D	4.9 ml clotted	Colindale	Please use High Risk stickers
(Only indicated for Hep B	Gel sample	Comidate	Tiedae dae Filgii Mak attekera
positive patients)	(brown top)		
Hepatitis E serology and	4.9 ml clotted	Virology Sheffield	
RNA	Gel sample	Virology Silemela	
NNA	(brown top)		
Harnes Simpley Type	4.9 ml clotted	Madical Microbiology	
Herpes Simplex Type		Medical Microbiology	
specific IgM and IgG	Gel sample	Partnership, Manchester	
antibodies	(brown top)		
Herpes PCR	4.9 ml EDTA	Virology Sheffield	
(infant protocol)	(red top) or		
	paediatric EDTA	5 1 1 1	
HIV antigen / antibody	4.9 ml clotted	Barnsley Virology	Please use High Risk stickers
(Screen)	Gel sample		where appropriate.
	(brown top)		
HIV confirmation	4.9 ml clotted	Virology Sheffield	Please use High Risk stickers
	Gel sample		
	(brown top)		
HIV RNA viral Load / HIV	9 ml EDTA	Virology Sheffield	Please use High Risk stickers
resistance testing	(red top)		
HIV proviral DNA	4.9 ml EDTA	Colindale	Please use High Risk stickers
(specialist test for infants)	(red top)		
HTLV1/2 serology	4.9 ml clotted	Virology Sheffield	
	Gel sample		
	(brown top)		
Leptospira serology	4.9 ml clotted	Porton Down	Please supply relevant
	Gel sample		clinical details
	(brown top)		
Measles serology	4.9 ml clotted	Rotherham	
σ,		Microbiology	
	Gel sample	Wilciobiology	
Measles serology			

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Meningococcal PCR and	4.9 ml EDTA	Meningococcal	
Pneumococcal PCR	(red top) or	reference Lab	
	paediatric EDTA	(Manchester)	
Meningococcal antibodies	4.9 ml clotted	Meningococcal	Please provide vaccination
wiching ococcar arithouses	Gel sample	reference Lab	history
	(brown top)	(Manchester)	
Parvovirus serology	4.9 ml clotted	Rotherham	
Tarvovii as serology	Gel sample	Microbiology	
	(brown top)	iviici obiology	
Parvovirus PCR	4.9 ml EDTA	Virology Sheffield	
Tarvovirus Ferr	(red top)	Virology Stierricia	
Procalcitonin level	4.9 ml clotted	Barnsley Virology	Repeat samples within 48
r rocalcitoriiri level	Gel sample	Darrisley virology	will generally be rejected
	(brown top)		will generally be rejected
Rickettsial antibody	4.9 ml clotted	Special Pathogens	Please supply symptoms,
McKettsiai aiitibody	Gel sample	Reference Unit	travel country and dates of
	(brown top)	Neterence Offic	travel
Rubella serology	4.9 ml clotted	Rotherham	traver
Rubella Serology	Gel sample	Microbiology	
	(brown top)	Wilciobiology	
CARC COV 2 antibody tost	4.9 ml clotted	Rotherham	
SARS-COV-2 antibody test			
	Gel sample	Microbiology/Blood	
Chambada a a a a la antibadia a	(brown top)	Sciences	
Staphylococcal antibodies	4.9 ml clotted	Colindale	
	Gel sample		
	(brown top)		
Streptococcal antibodies	4.9 ml clotted	Colindale	
	Gel sample		
	(brown top)		
Syphilis serology (screen)	4.9 ml clotted	Barnsley Virology	
	Gel sample		
	(brown top)		
Syphilis referral	4.9 ml clotted	Virology Sheffield	
(TPPA, RPR, IgM)	Gel sample		
	(brown top) or 2		
	ml paediatric		
	clotted blood		
TB. Quantiferon	9 ml ORANGE	Barnsley Microbiology	Requires processing within
	top Lithium		6 hours. Please take and
	Heparin or 3 x		send to the laboratory
	2ml lithium		within core working hours.
	heparin		
	(paediatric)		
Teicoplanin Level	4.9 ml clotted	Sheffield Biochemistry	Please supply dose and
	Gel sample		times information
	(brown top)		
Tetanus antibodies	4.9 ml clotted	Immunology Sheffield	
	Gel sample		
	(brown top)		
Tobramycin level	4.9 ml clotted	Sheffield Biochemistry	Please supply dose and
	Gel sample		times information

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

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