

UCD NVRL Virus Testing Index (alphabetical) Please Print in Colour

Listed Turnaround Times (TATs) do not exclude faster TATs in some circumstances – e.g. URGENT requests and Outbreaks

Confirmation assays will increase the published TAT in most cases.

Yellow box: Discuss with NVRL Clinical team before sending sample 01-7164418	IF: Immuno-fluorescence	Sample type: SW = swab: Respiratory = Sputum, Nasopharyngeal aspirate, Bronchoalveolar lavage Aptima SCD = Aptima Sample-collection device Serum = Clotted blood Plasma = EDTA Plasma Whole Blood = EDTA whole blood Oral fluid == Fluid in Oracol collection device	Frequency: x(n)w = times per week	TAT = total in working days Seasonal TAT Out of Season TAT Batched TAT
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Infectious Agent	Testing strategy	Sample type	Frequency	TAT
Adenovirus	Molecular	Serum, stool, Respiratory, Swab, CSF	Respiratory Daily Swab x2w Blood/Stool x3w	3 day 5 days Stool/Swab: 5 days Blood: 3 days
Arbovirus screen includes West Nile, Japanese Encephalitis, Yellow Fever, Tick-borne Encephalitis and Dengue Viruses	IF	Serum, CSF	Weekly	
Astrovirus	Molecular	Stool	x3w	5 days
BK polyomavirus	Molecular	Serum/plasma, Urine	x2w	5 days
Bocavirus	Molecular	Respiratory, throat swab	Daily	3 day 5 days
<i>Borrelia burgdorferii</i>	Serology	Serum	Daily	5 days
Chikungunya virus	IF	Serum	Weekly	
<i>Chlamydia pneumoniae</i>	Molecular	Respiratory, throat swab	Daily	3 day 5 days
<i>Chlamydia trachomatis</i>	Molecular	Aptima SCD	Daily	5 days
Coronavirus	Molecular	Respiratory, throat swab	Daily	3 day 5 days
Crimean Congo Haemorrhagic Fever Virus	Molecular	Whole blood/ plasma Serum	ON REQUEST	
Cytomegalovirus (CMV)	Serology	Serology: Serum	Serology Plasma: Daily	Serology: 3-7days
	Molecular UL97 Sequencing	Molecular: Plasma, BAL/Post mortem/Urine	CMV IgM x1w Molecular: daily	Molecular: 5 days Dried Blood Spots: 4-6 weeks

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		Dried Blood Spots (DBS)	Other x2w UL97 ON REQUEST	
Dengue Virus	Serology	Serology: Serum	Weekly	
	Molecular	Molecular:		
Enterovirus (including EV71 EV D68)	Molecular	CSF, Stool, Swab	CSF: Daily Stool / swabs x3w	CSF: 3days Molecular: 7 days
Epstein Barr Virus (EBV)	Serology	Serology:	Serology:	Serology: 3 days
	Molecular	Molecular: CSF/ Plasma/whole blood	Molecular: Daily	Molecular: 5 days
Filovirus (Ebola, Marburg)	Molecular	Whole blood serum/plasma	ON REQUEST	
Flavivirus Screen includes West Nile, Japanese Encephalitis, Yellow Fever, Tick-borne Encephalitis and Dengue Viruses	IF	whole blood	Weekly	
Hantavirus	Serology	Serum	ON REQUEST	
Hepatitis A	Serology	Serology: Serum/ plasma	Serology: Daily	Serology: 3 days
	Molecular	Molecular: Serum/plasma/stool	Molecular: x1w	Molecular: 7 days
Hepatitis B	Serology	Serology: Serum	Serology: Daily Confirmation: x2w	Serology: 3-7 days Molecular: 7days
	Molecular Genotyping, Resistance	Molecular: Serum/ plasma	Molecular: x2w	Resistance, Genotyping: 20 days
Hepatitis C	Serology	Serology: Serum/ plasma	Serology: Daily Confirmation: x1w	Serology: 3-7 days
	Molecular Genotyping/ Resistance	Molecular: Serum/plasma	Molecular x3w	Molecular: 7 days Genotyping 10 days Resistance testing: 20 days
Hepatitis D	Serology	Serology: Serum	Serology: Daily	3 days
	Molecular	Molecular: Serum/ plasma	Molecular x1 w	7 days (Molecular)
Hepatitis E	Serology	Serology: Serum	Serology: Daily IgG x2w, IgM daily:	Serology: 3 days – 7 days
	Molecular	Molecular: Serum/plasma/stool	Molecular x1w	Molecular: 7 days
Herpes Simplex Virus (Type 1 and 2)	Serology	Serology: Serum	Serology: Daily	CSF: 3 Days Serology: 3 days
	Molecular	Molecular: Swabs, CSF, BAL	BAL/Swabs x2w	Urgent Neonate Molecular – contact NVRL Molecular: 5 days

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Human Herpesvirus Type 6	Molecular	Oral fluid, Serum, stool, CSF, plasma	x3w	3 days
Human Immunodeficiency Virus	Serology	Serology: Serum	Serology Daily/x1w	Serology: 3-7 days
	Molecular HIV-1 viral load, HIV-1 resistance; HIV-1 genotyping, HIV-2	Molecular: Plasma	Molecular VL x3w HIV 1 Genotyping HIV 2 (UK Referral)	Molecular: 7 days Resistance: 15 days – in-house; HIV-2: UK referral
Human Metapneumovirus	Molecular	Respiratory, throat swab	Daily	3 day 5 days
Human Papilloma Virus				No diagnostic test provided
Human T Cell Lymphotropic Virus (HTLV)	Serology	Serum	Serology; Daily Confirmation x1w	3 days 7days
Influenza virus A/B	Molecular	Respiratory, throat swab	Daily	3 day 5 days
Influenza H5/H7	Molecular	Respiratory, throat swab	ON REQUEST	
Japanese Encephalitis Virus	IF	Serum	Weekly	7 days
JC polyomavirus	Molecular	CSF, Plasma/serum, Urine	Weekly	7 days
Lassa virus	Molecular	Serum	ON REQUEST	
<i>Leptospira interrogans</i>	Serology	Serum	x2w UK Referral x2w	4 days 14 days
Measles Virus	Serology	Serology: Serum	Serology: IgG Daily, IgM x1w (acute infections only)	Serology 4 -7 days
	Molecular	Measles: Oral Fluid, swabs, CSF	Molecular x1w	Molecular 7 days
MERS CoV (Coronavirus)	Molecular	Respiratory, throat swab	ON REQUEST	
Molluscum contagiosum				No diagnostic test provided
Monkeypox virus (MPXV)	Molecular	Skin swab, vesicle fluid, throat swab; other samples by arrangement	x3w Mon, Wed, Fri	3 days
Mumps Virus	Serology	Serology:		Serology 5-7 days
	Molecular	Molecular: Oral fluid, throat swab, CSF, [Serum, urine, respiratory upon request]	IgG: Daily, IgM: x1w Molecular: Daily	Molecular 7 days

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<i>Mycoplasma genitalium</i>	Molecular Detection; macrolide resistance	Urine, anogenital swab in Aptima SCD	Detection: Daily Resistance: X2w	Detection: 5 days Resistance: 8 days
<i>Mycoplasma pneumoniae</i>	Serology	Serology: Serum	Serology: IgM IgG daily	Serology 3 days
	Molecular	Molecular: Respiratory, throat swab	Molecular: Daily	Molecular 3 day 5 days
<i>Neisseria gonorrhoea</i>	Molecular	Aptima SCD	Daily	5 days
Norovirus	Molecular	Stool	X3w	5 days
ORF virus				No diagnostic test provided
Parainfluenzavirus 1,2,3	Molecular	Respiratory, throat swab	Daily	3 day 5 days
Parechovirus	Molecular	Respiratory, stool, CSF, swabs	Daily	CSF 3 days
				Other samples 5 days
Parvovirus B19	Serology	Serology: Serum	Serology:	Serology 3 days
	Molecular	Molecular: Amniotic fluid (on request), Serum, plasma, oral fluid	Molecular: X2w	Molecular 5 days
<i>Pneumocystis jirovecii</i> (PJP)	Molecular	BAL; Sputum	x2w	5 days
Poliovirus	Virus Culture	Stool	ON REQUEST	
Respiratory syncytial virus	Molecular	Respiratory, throat swab	Daily	3 day 5 days
Rhinovirus	Molecular	Respiratory, throat swab	Daily	3 day 5 days
Rotavirus	Molecular	Stool	X3w	5 days
Rubella Virus	Serology	Serology:	Serology: Daily IgM (maternal blood only)	Serology 3days IgM 7 days
	Molecular	Molecular: Oral fluid, serum	Molecular x1w	Molecular 7 days
Sapovirus	Molecular	Stool	x3w	5 days
SARS CoV (Coronavirus)	Molecular	Respiratory, Throat swab	UK Referral	
SARS-CoV-2 (COVID- 19)	Serology	Serology:	Serology: nucleocapsid Ab	Serology 7 days
	Molecular	Molecular: Combined NSTS, BAL, Sputum	Molecular: Daily	Molecular 3 days Urgent Molecular 24 hours
Syphilis (<i>Treponema pallidum</i>)	Serology	Serum/CSF	Serology: Daily Confirmation: x2w	3 days 4-7days

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Tick borne Encephalitis Virus (TBEV)	IF	serum, plasma	Weekly	7 days
<i>Toxoplasma gondii</i>	Serology	Serum	Serology: Daily UK Referral x2w	Serology 3 days 14 days
<i>Trichomonas vaginalis</i>	Molecular	Aptima SCD	Daily	5 days
Varicella Zoster Virus	Serology	Serology: Serum	Serology: IgG Daily	Serology: 3-7 days
	Molecular	Molecular: Serum, CSF swabs, vesicular fluid	Molecular: CSF Daily Other samples x2w	Molecular CSF: 3 days Molecular non-CSF: 5 days
Viral Haemorrhagic Fevers	Molecular	Whole blood	ON REQUEST	
West Nile Virus	IF	Serum, CSF	ON REQUEST	
Yellow Fever Virus	IF	Serum, CSF	Weekly	
Zika Virus	Serology	Serology: Serum, plasma	Serology: Weekly	
	Molecular	Molecular: Urine, Serum, plasma (CSF upon request)	Molecular: Weekly	

Molecular virology GROUP TEST	TATs	Viral Serology GROUP TEST	TATs	Viral Serology GROUP TESTS	TATS
Gastro Screen: Astro, Adeno F, Noro, Sapo, Rota	5 days	Occupational Exposure screen: HIV, HBsAg, HCV	3 days	Dialysis screen: HBsAg, HCV Ab/Ag, anti-HBcore, HIV, Anti-HBs	3 days
Respiratory screen	3 days in season 5 days out of season	Immunity Screen (IgG antibodies) Mumps, Measles, Rubella, VZV	4 days	Antenatal screen: HIV, HBsAg, Rubella IgG, Syphilis, (VZV IgG)	4 days
STI screen (Aptima CDs – Urine, Swab)	5 days	Serology: HIV/HBV/HCV confirmatory test	4 days	URGENT HIV & HCV Viral Load	Discuss with NVRL Clinical Team
CSF screen: HSV, VZV, Enterovirus	3 days			Anti-IgG	7 days

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Amendments:

CR- 30197: Electron Microscopy (EM) and all references removed; Human papilloma virus, Molluscum contagiosum, ORF virus – no diagnostic test provided

CR-31266: HIV resistance testing is now 'in-house', TAT = 15 days

REV 10:

Urgent Neonate HSV testing added

Clearer separation of Serology and Molecular tests; samples types clarified

Toxoplasma ISAGA removed; CMV Virion/Serion removed

Minor other amendments and formatting

Mpox updated to 3 times weekly