

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
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 Molecular	Serology: Serum Molecular:	Weekly	
Enterovirus (including EV71 EV D68)	Molecular	CSF, Stool, Swab	CSF: Daily Stool / swabs x3w	CSF: 3days Molecular: 7 days
Epstein Barr Virus (EBV)	Serology Molecular	Serology: Molecular: CSF/ Plasma/whole blood	Serology: Molecular: Daily	Serology: 3 days 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 Molecular	Serology: Serum/ plasma Molecular: Serum/plasma/stool	Serology: Daily Molecular: x1w	Serology: 3 days Molecular: 7 days
Hepatitis B	Serology Molecular Genotyping, Resistance	Serology: Serum Molecular: Serum/ plasma	Serology: Daily Confirmation: x2w Molecular: x2w	Serology: 3-7 days Molecular: 7days Resistance, Genotyping: 20 days
Hepatitis C	Serology Molecular Genotyping/ Resistance	Serology: Serum/ plasma Molecular: Serum/plasma	Serology: Daily Confirmation: x1w Molecular x3w	Serology: 3-7 days Molecular: 7 days Genotyping 10 days Resistance testing: 20 days
Hepatitis D	Serology Molecular	Serology: Serum Molecular: Serum/ plasma	Serology: Daily Molecular x1 w	3 days 7 days (Molecular)
Hepatitis E	Serology Molecular	Serology: Serum Molecular: Serum/plasma/stool	Serology: Daily IgG x2w, IgM daily: Molecular x1w	Serology: 3 days – 7 days Molecular: 7 days
Herpes Simplex Virus (Type 1 and 2)	Serology Molecular	Serology: Serum Molecular: Swabs, CSF, BAL	Serology: Daily BAL/Swabs x2w	CSF: 3 Days Serology: 3 days 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: 10 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 5days
Parvovirus B19	Serology	Serology: Serum	Serology:	Serology 3 days
	Molecular	Molecular: 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
Tick borne Encephalitis Virus (TBEV)	IF	serum, plasma	Weekly	7 days

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<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, Sapov, 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

Amendments:

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

Rev 11:

Amniotic fluid removed as a sample type for PARVO PCR

M.Gen resistance testing now done at NVRL: TAT updated Detection: 5 days, Resistance: 10 days, UK Referral: 12 days