

| VIRUS | DIAGNOSTIC METHOD | SAMPLE TYPE |
|---|-------------------------|---|
| Adenovirus | Virus Culture | BAL, NPA, Throat Swab, Stool, Urine |
| | Immunofluorescence | BAL , NPA, Sputum |
| | Electron Microscopy | Post mortem samples,Tissue Biopsy, Stool |
| | PCR Qualitative | BAL, NPA, Sputum, Throat Swabs, Eye Swabs, faeces |
| | PCR Quantitative | Whole EDTA blood, Plasma, Whole Clotted Blood, Serum |
| Astrovirus | Electron Microscopy | Stool |
| | PCR Qualitative | Stool |
| BK Polyomavirus | PCR Quantitative | Whole Clotted Blood,Serum,Whole EDTA blood,Plasma, Urine |
| Bocavirus | Referred | BAL, NPA, sputum |
| Borelia Borgdoferi | Serology | Whole clotted blood, serum |
| Bunyamwera Virus | Serology | Serum |
| Calcivirus (Sapovirus, Norovirus) | Electron Microscopy | Stool |
| | PCR Qualitative | Stool |
| Chikungunya | Serology | Whole clotted blood,serum |
| Chlamydia trachomatis | PCR Qualitative | Swab and Urine collection devices supplied by NVRL |
| Coronavirus | PCR Qualitative | BAL, NPA, Throat Swab, sputum |
| Crimean Congo haemorrhagic Fever Virus | PCR Qualitative | Whole EDTA blood, plasma |
| Cytomegalovirus | Serology | Whole clotted blood, serum |
| | PCR Quantitative | Whole EDTA Blood, CSF, Plasma, Urine |
| | Virus Culture | BAL, NPA, urine |
| | PCR Qualitative | Amniotic fluid, BAL, NPA,Stool Guthrie card |
| | UL97 Sequencing | Whole EDTA blood,plasma |
| Dengue | Serology | Whole clotted blood, serum |
| Enterovirus | PCR Qualitative | Whole EDTA Blood, Plasma, Whole Clotted Blood, Serum, CSF |
| | PCR Qualitative | Respiratory secretions, skin swabs, stool Throat swab, vesicle fluid/swab |
| | Virus Culture | Respiratory secretions, stool |
| Epstein Barr Virus | PCR Quantitative | whole EDTA blood, plasma, csf |
| | Serology | Whole Clotted blood, Serum |
| Filovirus (Ebola and Marburg) | PCR Qualitative | Whole EDTA blood, plasma |
| Flavivirus (Dengue, West Nile, Japanese Encephallitis, Yellow Fever, Tick born Encephalitis) | Serology | Whole clotted blood, Serum CSF-By arrangement |
| GB Virus C | By arrangement | By arrangement |
| Hantavirus | Serology | Whole clotted blood, Serum |
| Heartland Virus | Not carried out at NVRL | Not carried out at NVRL |
| Hendra Virus | Not carried out at NVRL | Not carried out at NVRL |
| Hepatitis A Virus | Serology | Whole clotted blood, serum |

| | | |
|--|-------------------------------------|--|
| | PCR Qualitative | Serum, stool |
| | Genotyping | Serum/stool |
| Hepatitis B Virus | Serology | Whole clotted blood, serum |
| | PCR Quantitative | Whole clotted blood, serum, Whole EDTA blood, plasma |
| | Genotyping | Whole clotted blood, serum, Whole EDTA blood, plasma |
| | Line Assay (HBV Resistance Testing) | Whole clotted blood, serum, whole EDTA blood, plasma |
| | Mutant Analysis | By arrangement |
| Hepatitis C virus | Serology | Whole clotted blood, serum |
| | PCR Quantitative | Whole clotted blood, serum, whole EDTA blood, plasma |
| | Genotyping | Whole clotted blood, serum, whole EDTA blood, plasma |
| | IL-28 SNP Testing | Whole clotted blood, serum |
| Hepatitis Delta | Serology | Whole clotted blood, serum |
| Hepatitis E Virus | Serology | Whole clotted blood, EDTA, whole EDTA blood, plasma, serum |
| | PCR (Qualitative) | Whole clotted blood, EDTA, whole EDTA blood, plasma, serum |
| | Genotyping | Whole clotted blood, EDTA, whole EDTA blood, plasma, serum |
| Herpes Simplex Virus | Electron Microscopy | Vesicle fluid |
| | PCR Qualitative | BAL, swabs, urine, CSF, plasma |
| | Serology | Whole clotted blood, serum |
| | Virus Culture | BAL, NPA, throat swab, urine |
| Human Herpesvirus Type 6 | PCR Qualitative | Whole clotted blood, CSF, whole EDTA blood, plasma, serum |
| Human Herpesvirus Type 7 | Referred | CSF, plasma |
| Human Herpesvirus Type 8/Kaposi Sarcoma Associated Herpesvirus | Referred | Whole EDTA blood, effusions |
| HIV | Serology | Whole clotted blood, serum |
| | PCR (Quantitative) | Whole EDTA blood, plasma |
| | Genotyping | whole EDTA blood, plasma |
| | Resistance Testing | whole EDTA blood, plasma |
| | Tropism Testing | EDTA WB, plasma |
| HTLV | Serology | Whole clotted blood, serum |
| | PCR Quantitative | whole EDTA blood |
| Influenza Virus | Immunofluorescence | BAL, NPA, sputum |
| | PCR Qualitative | BAL, NPA, nose and throat swab |
| | PCR (H5/H7 Avian Influenza) | By arrangement |
| | Resistance Testing | Bal, NPA, sputum |
| | Virus Culture | Bal, NPA, sputum |
| JC Polyomavirus | PCR (Qualitative) | CSF, whole clotted blood, whole EDTA blood, serum, plasma, urine |
| KI Polyomavirus | Referred | BAL, NPA, sputum |
| Lassa Virus | PCR Qualitative | Whole clotted blood, serum |
| La Crosse Virus | Referred | Whole clotted blood, serum |
| Leptospira Interrogans | Serology | Whole clotted blood, serum |
| Lymphocytic Choriomeningitis Virus | Serology | CSF, serum |
| Measles Virus | PCR (Qualitative) | Whole clotted blood, CSF, oral fluid, serum |

| | | |
|----------------------------------|---------------------|--|
| | Serology | Clotted blood, oral fluid, serum |
| | Virus Culture | BAL, CSF, NPA, urine |
| Merkel Cell Polyomavirus | PCR Qualitative | By arrangement |
| | Immunofluorescence | BAL, NPA, sputum |
| Human Metapneumovirus | PCR Qualitative | BAL, NPA, throat swab, sputum |
| MERS CoV | PCR (Qualitative) | By arrangement |
| | Electron Microscopy | Skin tissue, vesicle fluid |
| Molluscum Contagiosum Virus | | |
| | PCR Qualitative | CSF, oral fluid, throat swab, urine |
| Mumps Virus | Serology | Whole clotted blood, oral fluid, serum |
| | Virus Culture | Oral fluid, throat swab, urine |
| Murray Valley Encephalitis Virus | Referred | Whole clotted blood, serum |
| Mycoplasma Pneumoniae | Serology | Whole Clotted blood, serum |
| Neisseria Gonorrhoeae | PCR (Qualitative) | Aptima SCD |
| Nipah Virus | Referred | Whole clotted blood, serum |
| | Electron Microscopy | By arrangement |
| Norovirus | PCR (Qualitative) | Stool |
| | Electron Microscopy | Skin, tissue, vesicle fluid/scrapings |
| Orf Virus | | |
| | Immunofluorescence | BAL, NPA, sputum |
| Parainfluenza Virus | PCR (Qualitative) | BAL, NPA, sputum, throat swab |
| | Virus Culture | Respiratory secretions, throat swab |
| Paraechovirus | PCR Qualitative | CSF, NPA, BAL, throat swabs |
| | PCR (Quantitative) | Amniotic fluid, whole EDTA blood, plasma |
| Parvovirus B19 | Serology | Whole clotted blood, serum |
| | Virus Culture | Stool |
| Polio Virus | | |
| Powassan Virus | Referred | Whole clotted blood, serum |
| Rabies | Referred | Whole clotted blood, serum, CSF |
| | Immunofluorescence | BAL, NPA, sputum |
| RSV | PCR (Qualitative) | BAL, NPA, sputum, throat swab |
| | PCR (Qualitative) | BAL, NPA, sputum, throat swab |
| Rhinovirus | Virus Culture | BAL, NPA, sputum, throat swab |
| | Referred | Whole clotted blood, serum |
| Rift Valley Fever Virus | Referred | Whole clotted blood, serum |
| Ross River Virus | Referred | Whole clotted blood, serum |
| | Electron Microscopy | Stool |
| Rotavirus | PCR (Qualitative) | Stool |
| | PCR (Qualitative) | BAL, NPA, oral fluid, urine |
| Rubella Virus | Serology | Whole clotted blood, oral fluid, serum |
| | Virus Culture | BAL, NPA, oral fluid, urine |
| Saint Louis Encephalitis Virus | Referred | Whole clotted blood, serum |
| SARS CoV | By arrangement | By arrangement |

| | | |
|---|---------------------|---|
| Sindbis Virus | Referred | Whole clotted blood, serum |
| Smallpox Virus | Electron Microscopy | Vesicle Fluid |
| Tick Born encephalitis Virus | Serology | Whole clotted blood |
| Torovirus | Referred | Stool |
| Torque Teno Virus | Referred | Stool |
| Toscana Virus | Referred | Whole clotted blood, serum, CSF |
| Toxoplasma Gondii | PCR Qualitative | Amniotic Fluid |
| | Serology | Whole clotted blood, serum |
| Treponema Pallidum | Serology | Whole clotted blood, serum |
| Varicella Zoster Virus | PCR Qualitative | CSF, serum, eye swab, vesicular |
| Venezuelan Equine Encephalitis Virus | Referred | Whole clotted blood, serum |
| Western Equine Encephalitis Virus | Referred | Whole clotted blood, serum |
| West Nile Virus | Serology | Whole clotted blood, Serum CSF- By arrangement |
| WU Polyomavirus | Referred | BAL, NPA, oral fluid |
| Xenotropic Murine Leukaemia Virus-Like Retrovirus | Referred | tissue/blood |
| Zika Virus | By arrangement | Whole clotted blood, serum, whole EDTA blood, plasma, urine |