



Enfer Medical Master List of Tests

19th March 2023

Introduction

Enfer Medical Master List of Tests

For Healthcare Professionals who need access to accurate clinical diagnostic results, efficiently and effortlessly, Enfer Medical is Ireland's leading clinical laboratory that delivers an exceptional and personalised service to help you give your patient the care they deserve.

An INAB accredited clinical laboratory, Enfer Medical operates to ISO 15 189 Quality Standards in microbiology, virology, clinical chemistry, haematology and genomics. Our clinical diagnostic service is available to all public and private hospital laboratories, general practitioners, clinicians, and healthcare providers throughout Ireland. Enfer Medical has become a trusted partner of healthcare professionals and the HSE since its inception and works collaboratively with its clients to enhance patient care and service delivery.

This Master List of tests has been produced specifically for prospective service users and website users, for ease of review and for print purposes. The test detail provided in this Master List is not exhaustive, it provides a high-level summary of tests available at a point in time and more detailed and test specific information is available within our Laboratory User Manual which is provided to clients of the laboratory. This Master List was generated on the 19th of March 2023 and will be updated as new services are introduced or as otherwise required. Updated versions will be available on our website and included in our User Manual.

Please contact us with any queries/questions you may have about Enfer Medical and our services.

The Team at Enfer Medical

Here for a **Healthier World**

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Department



Microbiology

Analyte	Service	Specimen Type	Turnaround Time	Stability and Storage
<i>Aspergillus Galactomannan</i> Antigen	Respiratory Health	5mL venous serum or Bronchoalveolar lavage	2-3 days	Unopened specimens can be stored at 2-8°C for up to 5 days prior to testing. After initial opening specimens may be stored at 2-8°C for 48 hours prior to testing. Specimens may be stored at 2-8°C for up to 24 hours
<i>Bordetella parapertussis</i> DNA ²	Respiratory Health	Nasopharyngeal Swab (NPS) placed in up to 3 mL of transport media	Next working day	Specimens must be tested within 4 hours of collection if stored at room temperature. Specimens must be tested within 3 days of collection if stored at 2-8°C.
<i>Bordetella pertussis</i> DNA ²	Respiratory Health	Nasopharyngeal Swab (NPS) placed in up to 3 mL of transport media	Next working day	Specimens must be tested within 4 hours of collection if stored at room temperature. Specimens must be tested within 3 days of collection if stored at 2-8°C.
<i>Campylobacter</i> DNA ¹	Gut Health	Loose/liquid human faecal specimen	Next working day	Specimens must be tested within 4 hours of collection if stored at room temperature. Specimens must be tested within 4 days of collection if stored at 2-8°C.
<i>Chlamydia pneumoniae</i> DNA ²	Respiratory Health	Nasopharyngeal Swab (NPS) placed in up to 3 mL of transport media	Next working day	Specimens must be tested within 4 hours of collection if stored at room temperature. Specimens must be tested within 3 days of collection if stored at 2-8°C.



Microbiology

Analyte	Service	Specimen Type	Turnaround Time	Stability and Storage
Combined <i>Chlamydia trachomatis</i> (CT) and <i>Neisseria gonorrhoeae</i> (GC) NAAT test	Sexual Health	Endocervical, vaginal and male urethral Aptima collection swab specimens OR female and male urine specimens, with a final volume between the black fill lines of a urine specimen transport tube	Next working day	<p>Specimens must be tested within 30 days of collection (if collected in an Aptima collection device) and stored at 2-30°C prior to testing.</p> <p>Specimens collected in a non-Aptima collection device must be delivered to the laboratory and transferred to an Aptima tube within 24 hours of collection.</p>
<i>Clostridioides difficile</i> toxin A/B DNA ¹	Gut Health	Loose/liquid human faecal specimen	Next working day	Specimens must be tested within 4 hours of collection if stored at room temperature. Specimens must be tested within 4 days of collection if stored at 2-8°C.
<i>Cryptosporidium</i> DNA ¹	Gut Health	Loose/liquid human faecal specimen	Next working day	Specimens must be tested within 4 hours of collection if stored at room temperature. Specimens must be tested within 4 days of collection if stored at 2-8°C.
<i>Cyclospora cayetanensis</i> DNA ¹	Gut Health	Loose/liquid human faecal specimen	Next working day	Specimens must be tested within 4 hours of collection if stored at room temperature. Specimens must be tested within 4 days of collection if stored at 2-8°C.



Microbiology

Analyte	Service	Specimen Type	Turnaround Time	Stability and Storage
<i>E. coli</i> O157 DNA ¹ <i>Enteroaggregative E. coli</i> DNA (EAEC) ¹ <i>Enteropathogenic E. coli</i> DNA (EPEC) ¹ <i>Enterotoxigenic E. coli</i> DNA (ETEC) ¹ <i>Shigella/Enteroinvasive E. coli</i> DNA (EIEC) ¹ <i>Shiga-like toxin producing E. coli</i> DNA (STEC) <i>stx1/stx2</i> ¹	Gut Health	Loose/liquid human faecal specimen	Next working day	Specimens must be tested within 4 hours of collection if stored at room temperature. Specimens must be tested within 4 days of collection if stored at 2-8°C.
<i>Entamoeba histolytica</i> DNA ¹	Gut Health	Loose/liquid human faecal specimen	Next working day	Specimens must be tested within 4 hours of collection if stored at room temperature. Specimens must be tested within 4 days of collection if stored at 2-8°C.
(1-3)-β-D-Glucan	Respiratory Health	5mL venous serum	Next working day	Specimens must be tested within 14 days of collection and stored at 2-8°C.
<i>Giardia lamblia</i> DNA ¹	Gut Health	Loose/liquid human faecal specimen	Next working day	Specimens must be tested within 4 hours of collection if stored at room temperature. Specimens must be tested within 4 days of collection if stored at 2-8°C.



Microbiology

Analyte	Service	Specimen Type	Turnaround Time	Stability and Storage
<i>Mycobacterium tuberculosis</i> Quantiferon IGRA test	Respiratory Health	5mL venous lithium heparin plasma	2-3 days	Specimens must be tested within 16 hours of collection and stored at 2-8°C.
<i>Mycoplasma pneumoniae</i> DNA ²	Respiratory Health	Nasopharyngeal Swab (NPS) placed in up to 3 mL of transport media	Next working day	Specimens must be tested within 4 hours of collection if stored at room temperature. Specimens must be tested within 3 days of collection if stored at 2-8°C.
<i>Neisseria gonorrhoea</i> (Combined Chlamydia trachomatis (CT) and <i>Neisseria gonorrhoeae</i> NAAT (GC))	Sexual Health	Endocervical, vaginal and male urethral Aptima collection swab specimens OR female and male urine specimens, with a final volume between the black fill lines of a urine specimen transport tube.	Next working day	Specimens must be tested within 30 days of collection (if collected in an Aptima collection device) and stored at 2-30°C prior to testing. Specimens collected in a non-Aptima collection device must be delivered to the laboratory and transferred to an Aptima tube within 24 hours of collection.
<i>Pneumocystis jirovecii</i> DNA	Respiratory Health	Bronchoalveolar lavage (BAL), non-directed bronchial lavage (NBL) and sputum samples	Next working day	Specimens must be tested within 1 week of collection and stored at 2-8°C.
<i>Plesiomonas shigelloides</i> DNA ¹	Gut Health	Loose/liquid human faecal specimen	Next working day	Specimens must be tested within 4 hours of collection if stored at room temperature. Specimens must be tested within 4 days if stored at 2-8°C.



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Analyte	Service	Specimen Type	Turnaround Time	Stability and Storage
Salmonella species DNA ¹	Gut Health	Loose/liquid human faecal specimen	Next working day	Specimens must be tested within 4 hours of collection if stored at room temperature. Specimens must be tested within 4 days of collection if stored at 2-8°C.
Syphilis <i>Treponemal pallidum</i> total Antibody	Sexual Health	5mL venous serum or plasma or 0.8mL capillary serum	Next working day	Venous blood specimens must be tested within 72 of collection hours if stored at room temperature. Venous blood specimens must be tested within 7 days of collection if stored at 2-8°C. Capillary blood specimens must be tested within 7 days of collection.
Syphilis- <i>Treponemal pallidum</i> DNA	Sexual Health	Swab specimen from skin lesions in the anogenital region in viral transport media (VTM) or eNAT inactivation buffer	Next working day	Specimens must be tested within 1 week of collection and stored at 2-8°C.
Syphilis Rapid Plasma Reagin (RPR) Assay	Sexual Health	5mL venous serum or plasma or 0.8mL capillary serum	Next working day	Venous blood specimens must be tested within 72 of collection hours if stored at room temperature. Venous blood specimens must be tested within 7 days of collection if stored at 2-8°C. Capillary blood specimens must be tested within 7 days of collection.

¹ Analytes are part of a multiplexed PCR gastrointestinal panel - please see appendix 1 for the full list of analytes on this panel.

² Analytes are part of a multiplexed PCR respiratory panel - please see appendix 1 for the full list of analytes on this panel.



Microbiology

Analyte	Service	Specimen Type	Turnaround Time	Stability and Storage
Syphilis- <i>Treponema pallidum</i> particle agglutination (TPHA) assay	Sexual Health	5mL venous serum or plasma	Next working day	Venous blood specimens must be tested within 72 of collection hours if stored at room temperature. Venous blood specimens must be tested within 7 days of collection if stored at 2-8°C.
Vibrio species DNA (<i>V. parahaemolyticus</i> / <i>V. vulnificus</i>)	Gut Health	Loose/liquid human faecal specimen	Next working day	Specimens must be tested within 4 hours of collection if stored at room temperature. Specimens must be tested within 4 days of collection if stored at 2-8°C.
<i>Yersinia enterocolitica</i> DNA ¹	Gut Health	Loose/liquid human faecal specimen	Next working day	Specimens must be tested within 4 hours of collection if stored at room temperature. Specimens must be tested within 4 days of collection if stored at 2-8°C.

¹ Analytes are part of a multiplexed PCR gastrointestinal panel - please see appendix 1 for the full list of analytes on this panel.

² Analytes are part of a multiplexed PCR respiratory panel - please see appendix 1 for the full list of analytes for the full list of analytes on this panel.

Analyte	Service	Specimen Type	Turnaround Time	Stability and Storage
Adenovirus F 40/41 RNA ¹	Gut Health	Loose/liquid faecal specimen	Next working day	Specimens must be tested within 4 hours of collection if stored at room temperature. Specimens must be tested within 4 days of collection if stored at 2-8°C.
Adenovirus RNA ²	Respiratory Health	Nasopharyngeal Swab (NPS) placed in up to 3 mL of transport media	Next working day	Specimens must be tested within 4 hours of collection if stored at room temperature. Specimens must be tested within 3 days of collection if stored at 2-8°C.
Antibody to Hepatitis B surface antigen (AHBs)	Sexual Health	5mL venous serum or plasma or 0.8mL capillary serum	Next working day	Venous blood specimens must be tested within 14 days of collection if stored at 2-8°C. Capillary blood specimens must be tested within 7 days of collection.
Astrovirus RNA ¹	Gut Health	Loose/liquid faecal specimen	Next working day	Specimens must be tested within 4 hours of collection if stored at room temperature. Specimens must be tested within 4 days of collection if stored at 2-8°C.
Coronavirus RNA (229E, HKU1, NL63, OC43) ²	Respiratory Health	Nasopharyngeal Swab (NPS) placed in up to 3 mL of transport media	Next working day	Specimens must be tested within 4 hours of collection if stored at room temperature. Specimens must be tested within 3 days of collection if stored at 2-8°C.

Analyte	Service	Specimen Type	Turnaround Time	Stability and Storage
Hepatitis A antibody IgG (HAVAb IgG)	Vaccine Preventable Infections	5mL Venous Serum	Next working day	Specimens must be tested within 14 days of collection and stored at 2-8°C.
Hepatitis B Core antibody (AHBc)	Sexual Health	5mL venous serum or plasma or 0.8mL capillary serum	Next working day	<u>Venous blood specimens</u> must be tested within 3 days of collection if stored at room temperature. <u>Venous blood specimens</u> must be tested within 14 days of collection if stored at 2-8°C. <u>Capillary blood specimens</u> must be tested within 7 days of collection.
Hepatitis B surface antigen (HBsAg)	Sexual Health	5mL venous serum or plasma or 0.8mL capillary serum	Next working day	<u>Venous blood specimens</u> must be tested within 24 days of collection if stored at room temperature. <u>Venous blood specimens</u> must be tested within 6 days of collection if stored at 2-8°C. <u>Capillary blood specimens</u> must be tested within 7 days of collection.
Hepatitis C total antibody	Sexual Health	5mL venous serum or plasma or 0.8mL capillary serum	Next working day	<u>Venous blood specimens</u> must be tested within 7 days of collection and stored at 2-8°C. <u>Capillary blood specimens</u> must be tested within 7 days of collection.
Herpes Simplex Virus 1 DNA ³ Herpes Simplex Virus 2 DNA ³	Sexual Health	Swab specimen from skin lesions in the anogenital or oral region in viral transport media (VTM) or eNAT inactivation buffer	Next working day	Specimens must be tested within 1 week of collection and stored at 2-8°C prior to testing.

Analyte	Service	Specimen Type	Turnaround Time	Stability and Storage
Human Immunodeficiency Virus Ag/Ab (HIV)	Sexual Health	5mL venous serum or plasma or 0.8mL capillary serum	Next working day	<u>Venous blood specimens</u> must be tested within 3 days of collection if stored at room temperature. <u>Venous blood specimens</u> must be tested within 14 days of collection if stored at 2-8°C. <u>Capillary blood specimens</u> must be tested within 7 days of collection.
Human metapneumovirus RNA ²	Respiratory Health	Nasopharyngeal Swab (NPS) placed in up to 3 mL of transport media	Next working day	Specimens must be tested within 4 hours of collection if stored at room temperature. Specimens must be tested within 3 days of collection if stored at 2-8°C.
Human Rhinovirus RNA ² Human Enterovirus RNA ²	Respiratory Health	Nasopharyngeal Swab (NPS) placed in up to 3 mL of transport media	Next working day	Specimens must be tested within 4 hours of collection if stored at room temperature. Specimens must be tested within 3 days of collection if stored at 2-8°C.
Influenza A RNA (including subtypes H1, H3 and H1-2009) ² Influenza A RNA ^{2,4} Influenza B RNA ^{2,4}	Respiratory Health	Nasopharyngeal Swab (NPS) placed in up to 3 mL of transport media	Next working day	Specimens must be tested within 4 hours of collection if stored at room temperature. Specimens must be tested within 3 days of collection if stored at 2-8°C.

Analyte	Service	Specimen Type	Turnaround Time	Stability and Storage
Norovirus GI/GII RNA ¹	Gut Health	Loose/liquid faecal specimen	Next working day	Specimens must be tested within 4 hours of collection if stored at room temperature. Specimens must be tested within 4 days of collection if stored at 2-8°C.
Parainfluenza Virus RNA (1, 2, 3 and 4) ²	Respiratory Health	Nasopharyngeal Swab (NPS) placed in up to 3 mL of transport media	Next working day	Specimens must be tested within 4 hours of collection if stored at room temperature. Specimens must be tested within 3 days of collection if stored at 2-8°C.
Respiratory Syncytial Virus (A/B) RNA ^{2,4}	Respiratory Health	Nasopharyngeal Swab (NPS) placed in up to 3 mL of transport media	Next working day	Specimens must be tested within 4 hours of collection if stored at room temperature. Specimens must be tested within 3 days of collection if stored at 2-8°C.
Rotavirus A RNA ¹	Gut Health	Loose/liquid faecal specimen	Next working day	Specimens must be tested within 4 hours of collection if stored at room temperature. Specimens must be tested within 4 days of collection if stored at 2-8°C.
Rubella IgG Antibody	Vaccine Preventable Infections	5mL venous serum or plasma	Next working day	Specimens must be tested within 14 days of collection and stored at 2-8°C.

Analyte	Service	Specimen Type	Turnaround Time	Stability and Storage
Sapovirus RNA ¹	Gut Health	Loose/liquid faecal specimen	Next working day	Specimens must be tested within 4 hours of collection if stored at room temperature. Specimens must be tested within 4 days of collection if stored at 2-8°C.
SARS-CoV-2 IgG Antibody (Qualitative)	Respiratory Health	5mL venous serum or plasma	Next working day	Specimens must be tested within 4 hours of collection if stored at room temperature.
SARS-CoV-2 IgG Antibody (Quantitative)	Respiratory Health	5mL venous serum	Next working day	Specimens must be tested within 4 days of collection if stored at 2-8°C
SARS-CoV-2 RNA ^{2,5}	Respiratory Health	Nasopharyngeal/ Oropharyngeal swab placed in up to 3 mL of transport media	Next working day	Specimens must be tested within 7 days of collection if stored at room temperature.
Varicella-Zoster Virus DNA ³	Sexual Health	Swab specimen from skin lesions in the anogenital region in viral transport media (VTM) or eNAT inactivation buffer	Next working day	Specimens must be tested within 1 week of collection and stored at 2-8°C.

¹ Analytes are part of a multiplexed PCR gastrointestinal panel - please see appendix 1 for the full list of analytes on this panel.

² Analytes are part of a multiplexed PCR respiratory panel - please see appendix 1 for the full list of analytes for the full list of analytes on this panel.

³ Analytes are part of a Genital Ulcer multiplexed PCR test- please see appendix 1 for the full list of analytes for the full list of analytes on this panel.

⁴ Analytes are available as part of a PCR respiratory panel testing for Influenza A/B & RSV OR are available as part of an extended multiplexed PCR respiratory panel - Please see appendix 1 for the full list of analytes for the full list of analytes on this panel.

⁵ Analytes can also be carried out as a stand-alone test.

Analyte	Service	Specimen Type	Turnaround Time	Stability and Storage
Alanine aminotransferase (ALT)	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 3 days of collection and stored at 2-8°C.
Albumin BCP	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 6 days of collection and stored at 2-8°C.
Alkaline phosphatase (ALP)	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.
Amylase	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.
Anti Mullerian Hormone (AMH)	Reproductive Health	5mL venous serum	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.
Aspartate aminotransferase (AST)	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 4 days of collection and stored at 2-8°C.
Bilirubin Total	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 1 day of collection and stored at 2-8°C.
C-Reactive protein high sensitivity (CRP-HS)	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.

Analyte	Service	Specimen Type	Turnaround Time	Stability and Storage
Calcium	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.
Adjusted Calcium (calculated)	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.
Chloride	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.
Non-HDL Cholesterol (calculated)	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.
Total Cholesterol	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.
CO2	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 1 day of collection and stored at 2-8°C.
Creatine Kinase	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.
Creatinine	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.

Analyte	Service	Specimen Type	Turnaround Time	Stability and Storage
eGFR (calculated)	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.
Estradiol (E2)	Reproductive Health	5mL venous serum	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.
Faecal Immunochemical test (FIT)	Health and Wellness	Human faecal specimen in OC-Auto Sampling Bottle, collect the amount necessary to cover the groove of the probe	Next working day	Specimens must be tested within 10 days of collection and stored at room temperature prior to dispatch to the laboratory.
Ferritin	Health and Wellness	5mL venous serum	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.
Folate	Health and Wellness	5mL venous serum	Next working day	Specimens must be tested within 1 day of collection and stored at 2-8°C.
Follicle stimulating hormone (FSH)	Reproductive Health	5mL venous serum	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.
Gamma GT (GGT)	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.

Analyte	Service	Specimen Type	Turnaround Time	Stability and Storage
Globulin (Calculated)	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 6 days of collection and stored at 2-8°C.
Glucose	Health and Wellness	5mL venous sodium fluoride/potassium oxalate plasma	Next working day	Specimens must be tested within 2 days of collection and stored at 2-8°C.
Glycated Haemoglobin test (HbA1c)	Health and Wellness	5mL Whole blood EDTA	Next working day	Specimens must be tested within 3 days of collection and stored at 2-8°C.
HDL cholesterol	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.
Human Chorionic Gonadotropin (BHCG)	Reproductive Health	5mL venous serum	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.
Iron	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.
Lactate Dehydrogenase (LDH)	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.
Lithium	Health and Wellness	5mL venous serum or plasma (Sodium heparin K2 EDTA)	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.

Analyte	Service	Specimen Type	Turnaround Time	Stability and Storage
LDL Cholesterol (calculated)	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.
Luteinizing hormone (LH)	Reproductive Health	5mL venous serum	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.
Magnesium	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.
Phosphorus	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 1 day of collection and stored at 2-8°C.
Potassium	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 1 day of collection if spun and stored at 2-8°C. Specimens must be tested within 4 hours if unspun.
Progesterone	Reproductive Health	5mL venous serum	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.
Prolactin	Health and Wellness	5mL venous serum	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.
Total Prostate Specific antigen (TPSa)	Health and Wellness	5mL venous serum	Next working day	Specimens must be tested within 1 day of collection and stored at 2-8°C.

Clinical Chemistry

Analyte	Service	Specimen Type	Turnaround Time	Stability and Storage
Total Protein	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 6 days of collection and stored at 2-8°C.
Sodium	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.
FT3	Reproductive Health	5mL venous serum	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.
FT4	Reproductive Health	5mL venous serum	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.
Testosterone	Reproductive Health	5mL venous serum	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.
Thyroid Stimulating Hormone (TSH)	Reproductive Health	5mL venous serum	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.
Transferrin	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.
Transferrin saturation (calculated)	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.

Clinical Chemistry

Analyte	Service	Specimen Type	Turnaround Time	Stability and Storage
Triglycerides	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 2 days of collection and stored at 2-8°C.
Urea	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 7 days of collection and stored at 2-8°C.
Uric acid	Health and Wellness	5mL venous serum or plasma	Next working day	Specimens must be tested within 3 days of collection and stored at 2-8°C.
Vitamin B12	Health and Wellness	5mL venous serum	Next working day	Specimens must be tested within 1 day of collection and stored at 2-8°C.
Vitamin D	Health and Wellness	5mL venous serum	Next working day	Specimens must be tested within 3 days of collection and stored at 2-8°C.



Haematology

Analyte	Service	Specimen Type	Turnaround Time	Stability and Storage
Full Blood Count*	Health and Wellness	5mL Whole blood EDTA	Next working day	Specimens must be tested within 3 days of collection and stored at 2-8°C

* Please see Appendix 1A for Full Blood Count panel of tests.

Analyte	Service	Specimen Type	Turnaround Time	Stability and Storage
SARS-CoV-2 RNA WGS	Genomics	Nasopharyngeal/ Oropharyngeal swab, RNA extract.	5-6 days	Specimens must be tested within 1 week of collection and stored at 2-8°C. RNA extract must be stored at -20°C and tested within 1 month of extraction.

Appendix 1a

Multiplexed PCR Gastrointestinal Panel

Bacteria	Viruses	Diarrhoagenic E. coli / Shigella	Parasites
<ul style="list-style-type: none"> <i>Campylobacter</i> (<i>C. jejuni</i>/ <i>C. coli</i>/ <i>C. upsaliensis</i>) <i>Clostridioides difficile</i> (Toxin A/B) <i>Plesiomonas shigelloides</i> <i>Salmonella</i> <i>Vibrio</i> (<i>V. parahaemolyticus</i>/ <i>V. vulnificus</i>/ <i>V. cholerae</i>) <i>Yersinia enterocolitica</i> 	<ul style="list-style-type: none"> Adenovirus F 40/41 Astrovirus Norovirus GI/GII Rotavirus A Sapovirus (Genogroups I, II, IV, and V) 	<ul style="list-style-type: none"> Enteraggregative E. coli (EAEC) Enteropathogenic E. coli (EPEC) Enterotoxigenic E. coli (ETEC) lt/st Shiga-like toxin-producing E. coli (STEC) stx1/stx2 E. coli O157 Shigella/Enteroinvasive E. coli (EIEC) 	<ul style="list-style-type: none"> Cryptosporidium Cyclospora cayetanensis Entamoeba histolytica Giardia lamblia

Multiplexed PCR Respiratory Panel 1

Bacteria	Viruses	
<ul style="list-style-type: none"> <i>Bordetella parapertussis</i> <i>Bordetella pertussis</i> <i>Chlamydia pneumoniae</i> <i>Mycoplasma pneumoniae</i> 	<ul style="list-style-type: none"> Adenovirus Coronavirus 229E, HKU1, NL63, and OC43 Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Human Metapneumovirus Human Rhinovirus/Enterovirus 	<ul style="list-style-type: none"> Influenza A, including subtypes H1, H3 and H1-2009 Influenza B Parainfluenza Virus 1, 2, 3, and 4 Respiratory Syncytial Virus

Respiratory Panel 2

Analytes
<ul style="list-style-type: none"> Influenza A Influenza B Respiratory Syncytial Virus

Genital Ulcer Assay Panel

Analytes
<ul style="list-style-type: none"> Syphilis TP Varicella-Zoster Virus Herpes Simplex Virus 1 and 2

Appendix 1a

Full Blood Count Panel

Analytes

- *Red Cell count*
- *Haemoglobin*
- *Haematocrit*
- *Mean Cell Volume*
- *Mean Cell Haemoglobin*
- *Mean Cell Haemoglobin Concentration*
- *Red cell Distribution width (SD & CV)*
- *Platelet count*
- *Reticulocyte counts*
- *White Cell count*
- *Neutrophil count*
- *Lymphocyte count*
- *Monocyte count*
- *Basophil count*
- *Eosinophil count*

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