



Enfer Medical Master List of Tests

20th September 2022



Introduction

Enfer Medical Master List of Tests

Enfer Medical is an INAB accredited clinical laboratory, operating to ISO15189 Quality Standards in microbiology, virology and clinical chemistry. Our 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 our 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 20th of September 2022 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.

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Master List Contents

Department



Microbiology

Analyte	Service	Specimen Type	Turnaround Time	Stability and Storage
<i>Bordetella parapertussis</i> 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> 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> 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> 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>Chlamydia trachomatis</i> (Combined <i>Chlamydia trachomatis</i> (CT) and <i>Neisseria gonorrhoeae</i> (GC) test and confirmatory test where required)	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.



Microbiology

Analyte	Service	Specimen Type	Turnaround Time	Stability and Storage
<i>Clostridioides difficile</i> toxin A/B 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.
Cryptosporidium 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> 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>E. coli</i> O157 ¹ Enteroaggregative <i>E. coli</i> (EAEC) ¹ Enteropathogenic <i>E. coli</i> (EPEC) ¹ Enterotoxigenic <i>E. coli</i> (ETEC) ¹ Shigella/Enteroinvasive <i>E. coli</i> (EIEC) ¹ Shiga-like toxin producing <i>E. coli</i> (STEC) stx1/stx2 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> 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>Giardia lamblia</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>Mycoplasma pneumoniae</i> 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 <i>Chlamydia trachomatis</i> (CT) and <i>Neisseria gonorrhoeae</i> (GC) test and confirmatory test where required)	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.
<i>Plesiomonas shigelloides</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 if stored at 2-8°C.
<i>Salmonella</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.



Microbiology

Analyte	Service	Specimen Type	Turnaround Time	Stability and Storage
Syphilis TP 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- Treponemal pallidum PCR	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.
<i>Vibrio (V. parahaemolyticus / V. vulnificus / V. cholerae)</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>Yersinia enterocolitica</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.

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 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 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) Hepatitis B surface antibody	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 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 (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	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 antibody (AHCv)	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 ³ Herpes Simplex Virus 2 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 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 ² Human Enterovirus 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 (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 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 (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 ^{2,4} Respiratory Syncytial Virus B ^{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 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 ¹	Gut Health	Loose/liquid faecal specimen	Next working day	Specimens must be tested within 2 days of collection if stored at room temperature. Specimens must be tested within 7 days of collection if stored at 2-8°C.
SARS-CoV-2 IgG Antibody	Respiratory Health	5mL venous serum or plasma	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 RNA RT-PCR ^{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 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.



Genomics

Analyte	Service	Specimen Type	Turnaround Time	Stability and Storage
SARS-CoV-2 RNA	Genomics	Nasopharyngeal/ Oropharyngeal swab	Next working day	Specimens must be tested within 1 week of collection and stored at 2-8°C.



Clinical Chemistry

Analyte	Service	Specimen Type	Turnaround Time	Stability and Storage
Faecal Immunochemical test (FIT)	Clinical Chemistry	Human faecal specimen in OC-Auto Sampling Bottle, collect the amount necessary to cover the groove of the probe	Next working day	Specimens should be tested within 10 days of collection and stored at room temperature prior to dispatch to the laboratory.

Appendix 1

Multiplexed PCR Gastrointestinal Panel

Bacteria	Viruses	Parasites
<ul style="list-style-type: none"> <i>Campylobacter (C. jejuni/ C. coli/ C. upsaliensis)</i> <i>Clostridioides difficile (Toxin A/B)</i> <i>Plesiomonas shigelloides</i> <i>Salmonella</i> <i>Vibrio (V. parahaemolyticus/ V. vulnificus/ V. cholerae)</i> <i>Yersinia enterocolitica</i> <i>E. coli / Shigella</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"> Cryptosporidium Cyclospora cayentanensis 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

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