

HEPATITIS

- 198** HBV DNA PCR-Quantitative/HBV
Viral load assay
- 199** HBV DNA PCR - Qualitative
- 200** HCV RNA PCR-Quantitative/HCV
Viral load assay
- 1053** HCV RNA PCR-Qualitative
- 202** HCV-Genotyping
- 4022** HDV-RNA Detection by
PCR - EDTA PLASMA

HUMAN IMMUNODEFICIENCY VIRUS

- 206** HIV RNA PCR-Quantitative/HIV
Viral load assay
- 207** HIV RNA PCR-Qualitative
- 3024** HIV - PRO Viral DNA PCR -
Qualitative

HUMAN PAPILLOMA VIRUS

- 849** HPV (Human Papillomavirus) 2g
- 2337** HPV Human Papilloma Virus
Extended PCR

TUBERCULOSIS

- 1109** GeneXpert for MTB
- 263** PCR for MTB
- 3856** XDR - MTB GeneXpert
- 2681** Line Probe Assay - First line drug
- 2712** Line Probe Assay - Second line drug
- 2985** Non MTB PCR - LPA
- 2669** Semen TB-PCR
- 4117** MTB WGS + MGIT - TISSUE
- 4116** MTB WGS
- 3659** Endometrial TB PCR

TRANSPLANT PANEL

- 999** CSF-CMV Quantitative RT PCR
- 3042** PLASMA-CMV Quantitative RT PCR
- 3043** Amniotic Fluid-CMV Quantitative
RT PCR
- 3044** Saliva-CMV Quantitative RT PCR
- 3045** Urine-CMV Quantitative RT PCR
- 3167** CMV Qualitative PCR
- 3687** Fluid- CMV Quantitative RT PCR
- 3619** Tissue-CMV Quantitative RT PCR
- 3050** Blood- HSV 1 & 2 PCR
- 3049** Blisterfluid/saliva-HSV 1 & 2 PCR
- 3051** CSF-HSV 1 & 2 PCR
- 2825** PCR for BK Virus Quantitative,
PLASMA
- 1224** Urine PCR for BK Virus
(Quantitative)
- 2698** EBV PCR
- 3031** JC virus PCR

TORCH

- 3052** Amniotic fluid - Parvovirus B19 PCR
- 3053** Blood - Parvovirus B19 PCR
- 3054** CSF - Parvovirus B19 PCR
- 2509** Amniotic Fluid - Torch Panel by PCR
- 2719** Torch Panel in blood by PCR

BIOFIRE

- 1716** Meningo Encephalitis Panel
by Biofire
- 3276** Respiratory Panel by Biofire
- 3643** Pneumonia Plus Panel by Biofire
- 3712** Blood Culture Identification Panels
(BCID) by Biofire
- 3795** Gastroenteritis panel by Biofire

MULTIPLEX PANEL

- 4128** Complete Respiratory Panel
32 Pathogens
- 4129** Bacterial Meningitis Panel
(3 Pathogens)
- 4130** Viral Meningitis Panel (6 Pathogens)
- 4131** Meningitis Panel (11 Pathogens)
- 4003** Sepsis PCR Panel
- 4137** Tropical Fever Panel - PCR
- 4138** Transplant Panel - PCR
- 4139** Bacterial Gastroenteritis - PCR
- 4140** Viral Gastroenteritis - PCR
- 4141** Sexually Transmitted Disease
Panel - PCR
- 4142** Urethritis panel - PCR
- 4270** IF | Viral Pneumonia-I RT PCR

COVID/H1N1

- 3789** H1N1
- 4072** COVID 19 & H1N1 RT-PCR Combo
- 3566** COVID-19 (SARS-COV-2)
Qualitative RT-PCR
- 4294** HP | FLU Panel Complete

CARBAPENEM RESISTANCE

- 3381** Carba R GeneXpert

LEPTOSPIROSIS

- 910** PCR for Leptospirosis

TYPHOID

- 3814** Typhoid PCR

CANDIDA ALBICANS

- 3267** Candida Albicans DNA Detection
by PCR Blood

ADENOVIRUS

- 3989** Adenovirus by PCR

TRICHOMONAS VAGINALIS

- 4073** Trichomonas Vaginalis Urine
DNA PCR

CHLAMYDIA TRACHOMATIS

- 4109** Chlamydia Trachomatis by PCR

DENGUE

- 2330** Dengue PCR Qualitative

ENTEROVIRUS

- 3988** Enterovirus by PCR

RESPIRATORY SYNCYTIAL VIRUS

- 4083** Respiratory Syncytial Virus (RSV) PCR

VARICELLA-ZOSTER VIRUS

- 3065** CSF - Varicella-Zoster Virus (VZV)
by PCR
- 3064** Blood - Varicella-Zoster Virus (VZV)
by PCR

NEISSERIA GONORRHOEAE

- 4008** Neisseria Gonorrhoeae - PCR

JAPANESE ENCEPHALITIS

- 959** CSF-Japanese Encephalitis-PCR



RESPIRATORY PANEL

BIOFIRE

- ◆ Adenovirus
- ◆ Coronavirus 229E
- ◆ Coronavirus HKU1
- ◆ Coronavirus NL63
- ◆ Coronavirus OC43
- ◆ Severe Acute Respiratory Syndrome
Coronavirus 2 (SARS-CoV-2)
- ◆ Human Metapneumovirus
- ◆ Human Rhinovirus/Enterovirus
- ◆ Influenza A
- ◆ Influenza B
- ◆ Parainfluenza Virus 1
- ◆ Parainfluenza Virus 2
- ◆ Parainfluenza Virus 3
- ◆ Parainfluenza Virus 4
- ◆ Respiratory Syncytial Virus
- ◆ Bordetella parapertussis (IS1001)
- ◆ Bordetella pertussis (ptxP)
- ◆ Chlamydia pneumoniae
- ◆ Mycoplasma pneumoniae

MX PCR ASSAY

- ◆ Influenza A virus
- ◆ Influenza B virus
- ◆ The swine-lineage influenza A virus
subtype H1N1
- ◆ Human rhinoviruses

- ◆ Human coronaviruses OC43
- ◆ Human coronaviruses NL63
- ◆ Human coronaviruses 229E
- ◆ Human coronaviruses HKU1

- ◆ Human parainfluenza viruses-2
- ◆ Human parainfluenza viruses-3
- ◆ Human parainfluenza viruses-4
- ◆ Internal Control

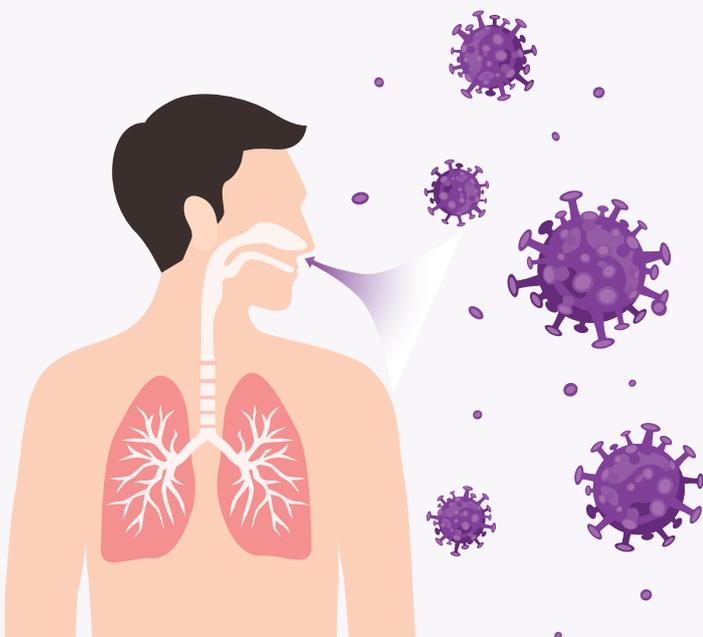
- ◆ Human bocavirus
- ◆ Mycoplasma pneumoniae
- ◆ Human parainfluenza viruses-1
- ◆ Human metapneumoviruses A and B

- ◆ Human respiratory syncytial viruses
A and B
- ◆ Human adenoviruses
- ◆ Enteroviruses
- ◆ Human parechoviruses

- ◆ Staphylococcus aureus
- ◆ Streptococcus pneumoniae
- ◆ Chlamydia pneumoniae
- ◆ Haemophilus influenzae

- ◆ Klebsiella pneumoniae
- ◆ Legionella pneumophila Legionella
longbeachae
- ◆ Pneumocystis jirovecii
- ◆ Salmonella

- ◆ Moraxella catarrhalis
- ◆ Bordetella
- ◆ Influenza C virus
- ◆ Haemophilus influenzae



MENINGITIS PANEL

BIOFIRE

- ◆ Escherichia coli K1
- ◆ Haemophilus influenzae
- ◆ Listeria monocytogenes
- ◆ Neisseria meningitidis
- ◆ Streptococcus agalactiae
- ◆ Streptococcus pneumoniae
- ◆ Cytomegalovirus (CMV)
- ◆ Enterovirus (EV)
- ◆ Herpes simplex virus 1 (HSV-1)
- ◆ Herpes simplex virus 2 (HSV-2)
- ◆ Human herpesvirus 6 (HHV-6)
- ◆ Human parechovirus (HPeV)
- ◆ Varicella zoster virus (VZV)
- ◆ Cryptococcus (*C. neoformans*/*C. gattii*)

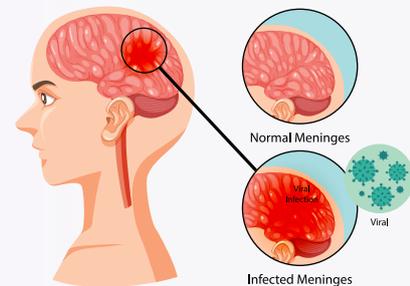
MX PCR ASSAY

BACTERIAL MENINGITIS

- ◆ Neisseria meningitidis
- ◆ Streptococcus pneumoniae
- ◆ Haemophilus influenzae

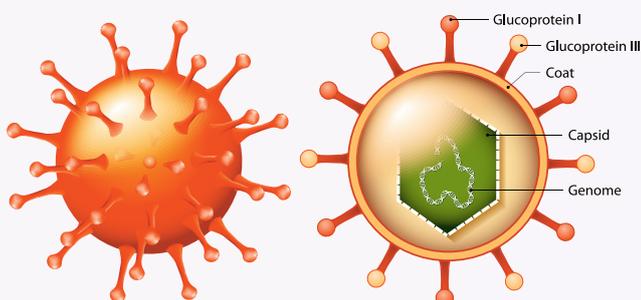
VIRAL MENINGITIS

- ◆ Varicella-zoster virus
- ◆ Enteroviruses
- ◆ Human parechoviruses
- ◆ Herpes simplex virus 1
- ◆ Herpes simplex virus 2
- ◆ Mumps virus



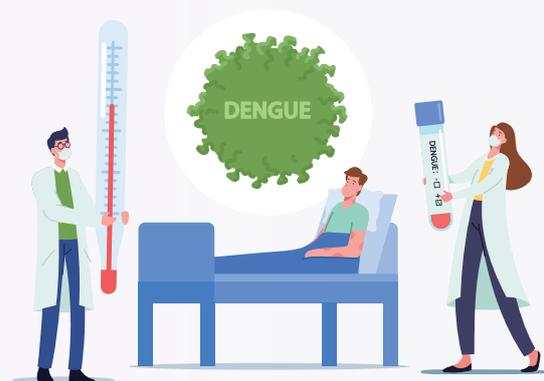
TRANSPLANT PANEL

- ◆ Cytomegalovirus (CMV)
- ◆ Epstein barr virus
- ◆ BK Virus
- ◆ JC virus
- ◆ Adenovirus
- ◆ Varicella zoster virus (VZV)
- ◆ Herpes simplex virus 1 (HSV-1)
- ◆ Herpes simplex virus 2 (HSV-2)



TROPICAL FEVER PANEL

- ◆ Dengue virus
- ◆ Chikungunya virus
- ◆ Salmonella spp.,
- ◆ West Nile
- ◆ Plasmodium spp.,
- ◆ Rickettsia spp.,
- ◆ Leptospira spp.,
- ◆ ZIKA virus



GI PANEL

BIOFIRE

- ◆ Campylobacter
- ◆ Clostridium difficile toxin A/B
- ◆ Plesiomonas shigelloides
- ◆ Salmonella
- ◆ Vibrio
- ◆ Vibrio cholerae
- ◆ Yersinia enterocolitica
- ◆ Enteroaggregative E. coli (EAEC)
- ◆ Enteropathogenic E. coli (EPEC)
- ◆ Enterotoxigenic E. coli (ETEC) It/st
- ◆ Shiga-like toxin-producing E. coli (STEC) stx1/stx2 E. coli O157
- ◆ Shigella/Enteroinvasive E. coli (EIEC)
- ◆ Cryptosporidium
- ◆ Cyclospora cayetanensis
- ◆ Entamoeba histolytica
- ◆ Giardia lamblia
- ◆ Adenovirus F 40/41
- ◆ Astrovirus
- ◆ Norovirus GI/GII
- ◆ Rotavirus A
- ◆ Sapovirus

MX PCR ASSAY

BACTERIAL GASTROENTERITIS

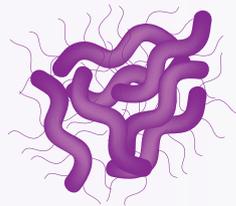
- ◆ Campylobacter coli/jejuni/lari
- ◆ Clostridium difficile
- ◆ Salmonella spp.
- ◆ Shigella spp.
- ◆ Verocytotoxin-producing E. coli
- ◆ Yersinia enterocolitica

VIRAL GASTROENTERITIS

- ◆ Human adenovirus
- ◆ Human astrovirus
- ◆ Norovirus GI
- ◆ Norovirus GII
- ◆ Rotavirus
- ◆ Sapovirus

- ◆ Enterovirus
- ◆ Human parechovirus

- ◆ Cryptosporidium
- ◆ Entamoeba histolytica
- ◆ Giardia lamblia



SEXUALLY TRANSMITTED DISEASE PANEL

- ◆ Chlamydia trachomatis
- ◆ Gardnerella vaginalis
- ◆ Herpes simplex virus 1
- ◆ Herpes simplex virus 2
- ◆ Mycoplasma genitalium
- ◆ Neisseria gonorrhoeae
- ◆ Trichomonas vaginalis
- ◆ Ureaplasma parvum
- ◆ Ureaplasma urealyticum

URETHRITIS PANEL

- ◆ Chlamydia trachomatis
- ◆ Mycoplasma genitalium
- ◆ Neisseria gonorrhoeae
- ◆ Mycoplasma hominis
- ◆ Trichomonas vaginalis
- ◆ Ureaplasma parvum
- ◆ Ureaplasma urealyticum

SEPSIS PANEL

- ◆ Acinetobacter calcoaceticus-baumannii complex
- ◆ Bacteroides fragilis
- ◆ Enterobacterales
- ◆ Enterobacter cloacae complex
- ◆ Escherichia coli
- ◆ Klebsiella aerogenes
- ◆ Klebsiella oxytoca
- ◆ Klebsiella pneumoniae group
- ◆ Proteus spp.
- ◆ Salmonella spp.
- ◆ Serratia marcescens
- ◆ Haemophilus influenzae
- ◆ Neisseria meningitidis
- ◆ Pseudomonas aeruginosa
- ◆ Stenotrophomonas maltophilia
- ◆ Enterococcus faecalis
- ◆ Enterococcus faecium
- ◆ Listeria monocytogenes
- ◆ Staphylococcus spp.
- ◆ Staphylococcus aureus
- ◆ Staphylococcus epidermidis
- ◆ Staphylococcus lugdunensis
- ◆ Streptococcus spp.
- ◆ Streptococcus agalactiae
- ◆ Streptococcus pneumoniae
- ◆ Streptococcus pyogenes
- ◆ Candida albicans
- ◆ Candida auris
- ◆ Candida glabrata
- ◆ Candida krusei
- ◆ Candida parapsilosis
- ◆ Candida tropicalis
- ◆ Cryptococcus (C. neoformans/C. gattii)

ANTIMICROBIAL RESISTANCE GENES:

Carbapenemases

- ◆ IMP
- ◆ KPC
- ◆ OXA-48-like
- ◆ NDM
- ◆ VIM

Colistin Resistance

- ◆ *mcr-1*

ESBL

- ◆ CTX-M

Methicillin Resistance

- ◆ *mec A/C*
- ◆ *mec A/C* and MREJ (MRSA)

Vancomycin Resistance

- ◆ *van A/B*



High heart rate
or weak pulse



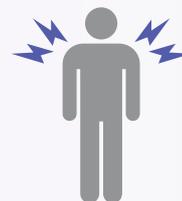
Fever or
shivering



Confusion or
disorientation



Shortness
of breath



Extreme pain
or discomfort



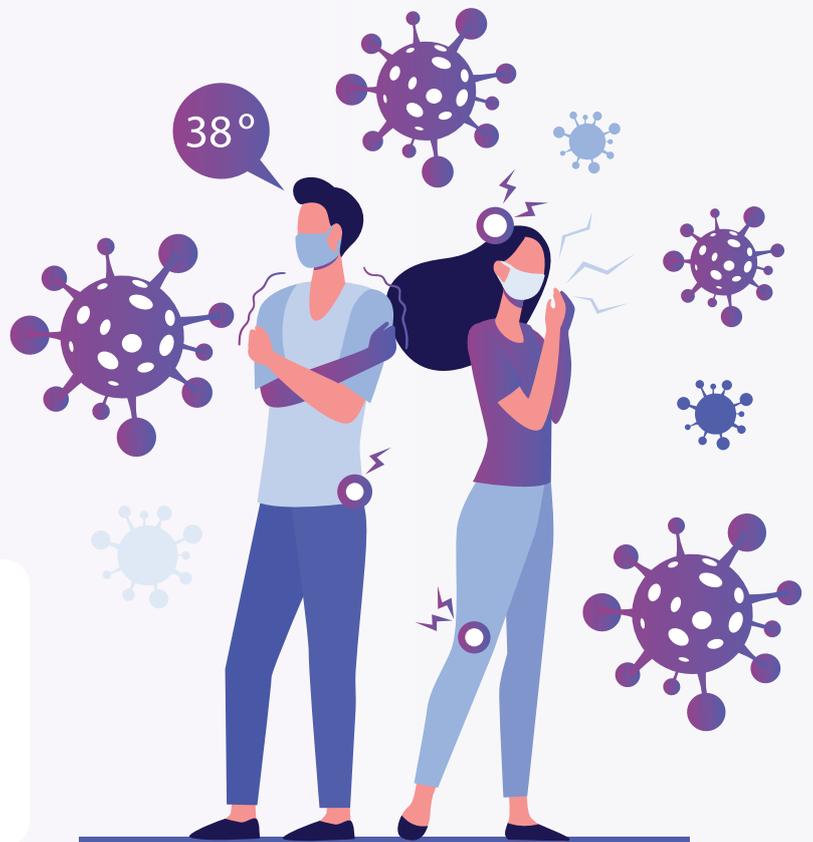
Clammy or
sweaty skin

Syndromic Infectious Diagnostics

- Identify one or more organisms known to cause various clinical infectious syndromes.
- Rapid identification of known panel of organisms from a single clinical sample.
- Help is rapid triage of patients will routine culture reports are awaited.

Technology Multiplex PCR

- Allows simultaneous detection of multiple targets in a single reaction well, with a different pair of primers for each target.
- Simultaneous multi – target detection and advances in probe chemistry allow detection of bacteria / viruses or fungi in a single reaction well.



FAB

- Single sample
- Multiple organisms
- Sample day reports
- Accuracy of molecular testing

Ideal Fertility IVF and Genetic Centre

For Enquiries, Contact:

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