H·O·D
HOUSE of DIAGNOSTICS

Patient Name :	Demo Patient Name	**Lab No :**	Demo Visit No
Age / Sex :	31 Y / F	**Registration On :**	17-Aug-24 18:26
Referred By :	DEMO HOSPITAL	**Patient ID :**	UHID.DEMO.001
Centre :	HOD Head Office		

BioFire Joint Infection (JI) Panel

Synovial Fluid Sample

Accession No: DEMO_BARCODE **Collected On:** 17-Aug-24 18:26 **Received On:** 17-Aug-24 20:04 **Approved On:** 18-Aug-24 16:55

Observation	Result	Unit	Biological Ref. Interval	Method
Gram Negative Bacteria				
Bacteroides fragilis	Not Detected			Nested real-time polymerase chain reaction (PCR)
Citrobacter	Not Detected			Nested real-time polymerase chain reaction (PCR)
Enterobacter cloacae complex	DETECTED			Nested real-time polymerase chain reaction (PCR)
Escherichia coli	Not Detected			Nested real-time polymerase chain reaction (PCR)
Haemophilus influenzae	Not Detected			Nested real-time polymerase chain reaction (PCR)
Kingella kingae	Not Detected			Nested real-time polymerase chain reaction (PCR)
Klebsiella aerogenes	DETECTED			Nested real-time polymerase chain reaction (PCR)
Klebsiella pneumoniae group	DETECTED			Nested real-time polymerase chain reaction (PCR)
Morganella morganii	Not Detected			Nested real-time polymerase chain reaction (PCR)
Neisseria gonorrhoeae	Not Detected			Nested real-time polymerase chain reaction (PCR)
Proteus spp.	Not Detected			Nested real-time polymerase chain reaction (PCR)
Pseudomonas aeruginosa	Not Detected			Nested real-time polymerase chain reaction (PCR)
Salmonella spp.	Not Detected			Nested real-time polymerase chain reaction (PCR)
Serratia marcescens	Not Detected			Nested real-time polymerase chain reaction (PCR)
Yeast				
Candida albicans	Not Detected			Nested real-time polymerase chain reaction (PCR)
Gram Positive Bacteria				
Anaerococcus prevotii/vaginalis	Not Detected			Nested real-time polymerase chain reaction (PCR)
Clostridium perfringens	Not Detected			Nested real-time polymerase chain reaction (PCR)
Cutibacterium avidum/granulosum	Not Detected			Nested real-time polymerase chain reaction (PCR)
Enterococcus faecalis	DETECTED			Nested real-time polymerase chain reaction (PCR)
Enterococcus faecium	DETECTED			Nested real-time polymerase chain reaction (PCR)
Finegoldia magna	Not Detected			Nested real-time polymerase chain reaction (PCR)
Parvimonas micra	Not Detected			Nested real-time polymerase chain reaction (PCR)
Peptoniphilus	Not Detected			Nested real-time polymerase chain reaction (PCR)
Peptostreptococcus anaerobius	Not Detected			Nested real-time polymerase chain reaction (PCR)

Scan to Validate

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Observation	Result	Unit	Biological Ref. Interval	Method
Staphylococcus aureus	Not Detected			Nested real-time polymerase chain reaction (PCR)
Staphylococcus lugdunensis	Not Detected			Nested real-time polymerase chain reaction (PCR)
Streptococcus spp.	Not Detected			Nested real-time polymerase chain reaction (PCR)
Streptococcus agalactiae	Not Detected			Nested real-time polymerase chain reaction (PCR)
Streptococcus pneumoniae	Not Detected			Nested real-time polymerase chain reaction (PCR)
Streptococcus pyogenes	Not Detected			Nested real-time polymerase chain reaction (PCR)
Antimicrobial Resistance Genes				
Carbapenemases IMP	Not Detected			Nested real-time polymerase chain reaction (PCR)
Carbapenemases KPC	Not Detected			Nested real-time polymerase chain reaction (PCR)
Carbapenemases NDM	Not Detected			Nested real-time polymerase chain reaction (PCR)
Carbapenemases OXA-48-like	Not Detected			Nested real-time polymerase chain reaction (PCR)
Carbapenemases VIM	Not Detected			Nested real-time polymerase chain reaction (PCR)
ESBL CTX-M	Not Detected			Nested real-time polymerase chain reaction (PCR)
Methicillin resistance (mecA/C and MREJ (MRSA))	Not Detected			Nested real-time polymerase chain reaction (PCR)
Vancomycin Resistance (vanA/B)	Not Detected			Nested real-time polymerase chain reaction (PCR)

Interpretation:

Result	Remarks
Detected	Indicates organism detected and identified is the likely cause of signs & symptoms of the disease. Co-Infection by more than one organism is not uncommon. However it does not distinguish between a viable or replicating organism and the presence of a nonviable organism or nucleic acid, nor do they exclude the potential for coinfection by organisms not part of the panel. A positive result for a genetic marker of antimicrobial resistance can be definitively linked to the above applicable microorganism(s) detected.
Not Detected	Indicates organisms tested in the panel were not detected and the signs & symptoms of the disease may be caused by a condition other than an infection or by a pathogen that is not part of the panel. Negative result may be due to the presence of PCR inhibitors in the specimen or the nucleic acid of joint infection pathogens maybe in concentrations below the level of detection by this assay. A negative result for a genetic marker of antimicrobial resistance does not indicate susceptibility to associated antimicrobial drugs or drug classes.

Notes: Biofire Joint Infection (JI) panel is a sensitive, specific & robust test for rapid detection of a wide range of analytes in the joint fluid specimens.This panel tests for a comprehensive group of Gram-positive and Gram-negative bacteria, yeast, and antimicrobial resistance genes commonly associated with joint infections by targeting broad grouping of 31 causative pathogens and 8 antimicrobial resistance markers. Conventional testing for joint infections is complex, often requiring multiple patient samples, various send-out tests, and days of waiting for results. This test panel is not impacted by prior antibiotic use and is able to target difficult-to-grow anaerobes. Compared to conventional methods, this panel can help facilitate increased diagnostic yield and improved polymicrobial detection. It helps in the timely diagnosis and appropriate management of joint infections.

1. Results of the Biofire Joint Infection (JI) Panel are intended to aid in the diagnosis of Joint infections which are associated with difficult fastidious organisms, anaerobes, biofilm-forming organisms, and polymicrobial specimens.
2. This assay is not intended to monitor the efficacy of treatment, serotyping, genotyping and speciation of organisms included in the panel.

Remarks: Please correlate results clinically.

This is a Demo Signature
and the doctor's signature should appear here

In case of any unexpected or alarming results, please contact us immediately for re-confirmation, clarifications, and rectifications, if needed.

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There may be an additional PDF attachment in this report which has been redacted for privacy. Please contact info@hod.care, if you would like to make a booking for this test.