



# MOLECULAR DIAGNOSTICS LABORATORY

## Septic Arthritis Panel-Molecular testing

SPECIMEN: SYNOVIAL FLUID (NON-HEPARINIZED), BIOPSY

A-PATHOGENS			
<i>Mycobacterium tuberculosis complex</i> DNA	<i>Streptococcus agalactiae</i> DNA	<i>Streptococcus pneumoniae</i> DNA	<i>Neisseria meningitidis</i> DNA
<i>Borrelia burgdorferi</i> DNA	<i>Haemophilus influenzae</i> DNA	<i>Pseudomonas aeruginosa</i> DNA	<i>Serratia marcescens</i> DNA
<i>Escherichia coli</i> DNA	<i>Acinetobacter baumannii</i> DNA	<i>Staphylococcus aureus</i> DNA	MRSA DNA
<i>Proteus spp.</i> DNA	<i>Listeria monocytogenes</i> DNA	<i>Klebsiella pneumoniae</i> DNA	<i>Morganella morganii</i> DNA
<i>Cryptococcus neoformans</i> DNA	<i>Treponema pallidum</i> DNA	<i>Coxiella burnetii</i> DNA	<i>Listeria monocytogenes</i> DNA
<i>Streptococcus spp.</i> DNA ( <i>S.pasteurianus</i> , <i>S.dysgalactiae</i> , <i>S.galloyticus</i> , <i>S.macedonicus</i> , <i>S.mitis/oralis</i> , <i>S.salivarius</i> , <i>S.infantarium</i> , <i>S.pyogenes</i> , & <i>S.intermedius</i> )	Coagulase Negative <i>Staphylococcus</i> DNA ( <i>S.epidermidis</i> , <i>S.haemolyticus</i> , <i>S.capitis</i> , <i>S.hominis-hominis</i> & <i>S.intermedius</i> )	<i>Enterobacteria</i> DNA ( <i>E.aerogenes</i> , <i>E.cloacae</i> , <i>k.oxytoca</i> , <i>Citrobacter</i> & <i>Salmonella enterica</i> )	<i>Shigella spp.</i> DNA
<i>Candida glabrata</i> DNA <i>Candida tropicalis</i> DNA	<i>Candida albicans</i> DNA	<i>Enterococcus faecalis</i> DNA	<i>Enterococcus faecium</i> DNA

B-RESISTANCY GENES			
Methicillin resistance gene mec A DNA	Vancomycin resistance gene van A DNA	Vancomycin resistance gene van B DNA	Extended spectrum $\beta$ -lactamase SHV DNA
Extended spectrum $\beta$ -lactamase CTX-M DNA	Class A Carbapenemase Kpc DNA	Class A Carbapenemase sme DNA	Class A Carbapenemase nmc/imi DNA
Class A Carbapenemase ges DNA	Class B Carbapenemase vim DNA	Class B Carbapenemase gim DNA	Class B Carbapenemase spm DNA
Class B Carbapenemase ndm DNA	Class B Carbapenemase imp15 DNA	Class B Carbapenemase imp19 DNA	Class D Carbapenemase oxa 23 DNA
Class D Carbapenemase oxa 24 DNA	Class D Carbapenemase oxa 48 DNA	Class D Carbapenemase oxa 51 DNA	Class D Carbapenemase oxa 58 DNA