
Reporting Title: Broad Range Bacteria PCR+Sequencing

Performing Location: Mayo Clinic Laboratories - Rochester Main Campus

Necessary Information:

Specimen source is required.

Specimen Requirements:

Fresh tissue is preferred over formalin-fixed, paraffin-embedded tissue.

Submit only 1 of the following specimens:

Preferred Specimen Type:

Specimen Type: Fresh tissue or biopsy

Sources: Normally sterile tissue such as bone, lymph node, joint, heart valve, brain, viscera, organ, lung, prostate

Container/Tube: Sterile container

Specimen Volume: Entire collection or 5 mm(3)-approximately the size of a pencil eraser

Collection Instructions:

1. Collect fresh tissue specimen.
2. Submit tissue only, do not add fluid to tissue.
3. Freeze specimen.

Specimen Stability Information: Frozen (preferred) <21 days/Refrigerated <21 days

Alternate Specimen Types:

Preferred: Paraffin-embedded tissue block

Supplies: Tissue Block Container (T553)

Specimen Type: Formalin-fixed, paraffin-embedded (FFPE) tissue block

Sources: Normally sterile or deep tissues such as bone, lymph node, joint, heart valve, brain, viscera, organ, lung, prostate

Container/Tube: Tissue block

Collection Instructions: Submit a formalin-fixed, paraffin-embedded tissue block to be cut and returned.

Specimen Stability Information: Ambient (preferred)/Refrigerated

Acceptable: Paraffin-embedded tissue block

Specimen Type: Section (scrolls) of FFPE tissue block

Sources: Normally sterile or deep tissues such as bone, lymph node, joint, heart valve, brain, viscera, organ, lung, prostate

Container/Tube: Sterile container for each individual cut section (scroll)

Collection Instructions: Perform microtomy and prepare five separate 10-micron sections. **Each section (scroll) must be placed in a separate sterile container for submission.**

Specimen Stability Information: Ambient (preferred)/Refrigerated

Specimen Type: Fluid

Sources: Normally sterile body fluids such as vitreous humor, pleural, abdominal, peritoneal, ascites, pericardial, pelvic,

prostatic

Container/Tube: Screw-capped, sterile container

Specimen Volume: 1 mL

Collection Instructions:

1. Collect fresh fluid specimen.
2. Freeze specimen.

Specimen Stability Information: Frozen (preferred) <21 days/Refrigerated <21 days

Specimen Type: Spinal fluid

Container/Tube: Screw-capped, sterile container

Specimen Volume: 1 mL

Collection Instructions:

1. Collect fresh spinal fluid (CSF) specimen using sterile technique.
2. Submit specimen from collection vial 2 or higher, specimens in vial 1 are not acceptable.
3. Indicate on the label which vial is being submitted.
4. CSF collected via shunt and ventricular fluid are also acceptable. Label tube with applicable collection information if submitting one of these specimens.

Specimen Stability Information: Frozen (preferred) <21 days/Refrigerated <21 days

Specimen Type: Synovial fluid

Container/Tube:

Preferred: Red top or sterile container

Acceptable: Lavender top (EDTA), pink top (EDTA), royal blue top (EDTA), or sterile vial containing EDTA-derived aliquot

Specimen Volume: 1 mL

Collection Instructions: Send specimen in original tube (preferred).

Specimen Stability Information: Frozen (preferred) <21 days/Refrigerated <21 days

Forms:

If not ordering electronically, complete, print, and send a [Microbiology Test Request](#) (T244) with the specimen.

Specimen Type	Temperature	Time	Special Container
Varies	Varies		

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
BRBPS	Q00M0078	Specimen Source	Plain Text	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
BRBPS	Broad Range Bacteria PCR+Sequencing	Alphanumeric		76575-0

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

- 87801-Broad Range Bacterial PCR and Sequencing
- 87798-Bacterial Ident by Sequencing (if appropriate)
- 87798-Specimen Identification by PCR (if appropriate)
- 87798-Ident by Next Generation Sequencing (if appropriate)
- 87483-Meningitis Encephalitis Panel, PCR (if appropriate)
- 87999-Joint Infection Panel, PCR, Synovial Fluid (if appropriate)

Reflex Tests:

Test Id	Reporting Name	CPT Units	CPT Code	Always Performed	Available Separately
ISBA	Bacterial Ident by Sequencing	1	87798	No	No, (Bill Only)
ISNGS	Ident by Next Generation Sequencing	1	87798	No	No, (Bill Only)
SPID2	Specimen Identification by PCR	1	87798	No	No, (Bill Only)
CSFME	Meningitis Encephalitis Panel, PCR	1	87483	No	Yes
JIP	Joint Infect Panel PCR, Synovial Fl	1	87627	No	Yes

Result Codes for Reflex Tests:

Test ID	Result ID	Reporting Name	Type	Unit	LOINC®
CSFME	42375	Escherichia coli K1	Alphanumeric		82182-7
CSFME	42376	Haemophilus influenzae	Alphanumeric		82183-5
CSFME	42377	Listeria monocytogenes	Alphanumeric		82184-3
CSFME	42378	Neisseria meningitidis	Alphanumeric		82185-0
CSFME	42379	Streptococcus agalactiae	Alphanumeric		82186-8
CSFME	42380	Streptococcus pneumoniae	Alphanumeric		82187-6
CSFME	42381	Cytomegalovirus	Alphanumeric		82189-2
CSFME	42382	Enterovirus	Alphanumeric		82194-2
CSFME	42383	Herpes simplex virus 1	Alphanumeric		82190-0
CSFME	42384	Herpes simplex virus 2	Alphanumeric		82191-8
CSFME	42385	Human herpes virus 6	Alphanumeric		82192-6
CSFME	42386	Human parechovirus	Alphanumeric		82193-4
CSFME	42387	Varicella zoster virus	Alphanumeric		82188-4
CSFME	42388	Cryptococcus neoformans/gattii	Alphanumeric		82181-9
CSFME	SRCSF	Specimen Source	Alphanumeric		31208-2
CSFME	605190	Interpretation	Alphanumeric		59464-8
JIP	621730	CTX-M	Alphanumeric		88250-6

JIP	621731	IMP	Alphanumeric	85498-4
JIP	621732	KPC	Alphanumeric	49617-4
JIP	621733	mecA/C and MREJ (MRSA)	Alphanumeric	96309-0
JIP	621734	NDM	Alphanumeric	73982-1
JIP	621735	OXA-48-like	Alphanumeric	85827-4
JIP	621736	vanA/B	Alphanumeric	62261-3
JIP	621737	VIM	Alphanumeric	85501-5
JIP	621700	Anaerococcus prevotii/vaginalis	Alphanumeric	97609-2
JIP	621714	Bacteroides fragilis	Alphanumeric	97610-0
JIP	621729	Candida albicans	Alphanumeric	97611-8
JIP	621728	Candida spp.	Alphanumeric	97612-6
JIP	621715	Citrobacter spp.	Alphanumeric	97613-4
JIP	621701	Clostridium perfringens	Alphanumeric	97614-2
JIP	621702	Cutibacterium avidum/granulosum	Alphanumeric	97615-9
JIP	621716	Enterobacter cloacae complex	Alphanumeric	97616-7
JIP	621703	Enterococcus faecalis	Alphanumeric	97617-5
JIP	621704	Enterococcus faecium	Alphanumeric	97618-3
JIP	621717	Escherichia coli	Alphanumeric	97619-1
JIP	621705	Fingoldia magna	Alphanumeric	97620-9
JIP	621718	Haemophilus influenzae	Alphanumeric	97621-7
JIP	621719	Kingella kingae	Alphanumeric	97622-5
JIP	621720	Klebsiella aerogenes	Alphanumeric	97623-3
JIP	621721	Klebsiella pneumoniae complex	Alphanumeric	97624-1
JIP	621722	Morganella morganii	Alphanumeric	97625-8
JIP	621723	Neisseria gonorrhoeae	Alphanumeric	97626-6
JIP	621706	Parvimonas micra	Alphanumeric	97627-4
JIP	621707	Peptoniphilus spp.	Alphanumeric	97628-2
JIP	621708	Peptostreptococcus anaerobius	Alphanumeric	97629-0
JIP	621724	Proteus spp.	Alphanumeric	97630-8
JIP	621725	Pseudomonas aeruginosa	Alphanumeric	97631-6
JIP	621726	Salmonella spp.	Alphanumeric	97632-4
JIP	621727	Serratia marcescens	Alphanumeric	97633-2
JIP	621709	Staphylococcus aureus	Alphanumeric	97634-0
JIP	621710	Staphylococcus lugdunensis	Alphanumeric	97635-7
JIP	621711	Streptococcus agalactiae	Alphanumeric	97636-5
JIP	621712	Streptococcus pneumoniae	Alphanumeric	97637-3
JIP	621713	Streptococcus pyogenes	Alphanumeric	97638-1
JIP	621827	Streptococcus spp.	Alphanumeric	97639-9
JIP	621738	Interpretation	Alphanumeric	59464-8

Reference Values:

No bacterial DNA detected

Test Definition: BRBPS

Broad Range Bacterial PCR and Sequencing,
Varies
