

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	87999	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	Finnegoldia 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
