

Patient: [REDACTED]
 DOB: Not Provided Age: N/A Gender: U
 Patient Identifiers: [REDACTED]
 [REDACTED]
 Visit Number (FIN): [REDACTED]

Client: [REDACTED]
 Physician: Doctor Unknown

ARUP Test Code: 0060182
 Collection Date: 02/12/2021
 Received in Lab: 02/14/2021
 Completion Date: 02/23/2021

Results and Interpretation

Clinical Information: One isolate of Staphylococcus aureus to be compared to two previously tested isolates.

- Lane Isolate
- 1 lambda phage size marker ladder (48.5 kb concatemers)
 - 2 Control
 - 3 21-013-19693 (New)
 - 4 20-182-00041
 - 5 19-132-02214
 - 6 ladder

RESULTS: Genomic analysis was performed by pulsed-field gel electrophoresis following restriction digest using SmaI.

Isolate 21-013-19693 is indistinguishable from isolate 20-182-00041, and differs from isolate 19-132-02214 by ≥ 7 bands.

See attached photograph.

It is recommended that the results of strain characterization of epidemiologically associated bacteria be interpreted by an investigator familiar with the outbreak investigation and knowledgeable about the limitations of typing procedures. There are currently no standardized guidelines for pulsed-field gel electrophoresis band pattern interpretation.

The following non-standardized guidelines may be used to assist in report interpretation:

| Category | Band Differences | Epidemiological Interpretation |
|-------------------|------------------|--------------------------------|
| Indistinguishable | 0 | Part of the outbreak |
| Closely related | 2-3 | Probably part of the outbreak |
| Possibly related | 4-6 | Possibly part of the outbreak |
| Different | ≥ 7 | Not part of the outbreak |

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the U.S. Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.



Patient: [REDACTED]
 ARUP Accession: 21-043-400182
 [REDACTED]

Bacterial Strain Characterization by Pulsed-Field Gel Electrophoresis

Patient: [REDACTED] | Date of Birth: Not Provided | Gender: U | Physician: Doctor Unknown
Patient Identifiers: [REDACTED] | Visit Number (FIN): [REDACTED]

See attached Pulsed-Field Gel Electrophoresis Patterns image on following page.



Bacterial Strain Characterization by Pulsed-Field Gel Electrophoresis

Patient: [REDACTED] | Date of Birth: Not Provided | Gender: U | Physician: Doctor Unknown
Patient Identifiers: [REDACTED] | Visit Number (FIN): [REDACTED]

Pulsed-Field Gel Electrophoresis Patterns

