

Client:

Patient:

Physician:

DOB:

Gender:

Patient Identifiers:

Visit Number (FIN):

Collection Date: 3/2/2017 13:36

Bacterial Strain Characterization by Pulsed-Field Gel Electrophoresis

ARUP test code 0060182

Strain Characterization - PFGE

See Note

BACTERIAL STRAIN CHARACTERIZATION BY PULSED-FIELD GEL ELECTROPHORESIS

Clinical Information: Two isolates of Staphylococcus aureus.

Lane	Isolate
1	Lambda phage size marker ladder (48.5 kb concatemers)
2	Control
3	14554173
4	14457342
5	Ladder

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

The isolates tested differ 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

INTERPRETIVE INFORMATION: Strain Characterization - PFGE

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS

EER Strain Characterization - PFGE

See Note

H - high L - low * - abnormal C - critical

Patient:

ARUP Accession: 17-061-128199

Patient Identifiers:

Visit Number (FIN):

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Bacterial Strain Characterization by Pulsed-Field Gel Electrophoresis

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Strain Characterization - PFGE	17-061-128199	3/2/2017 13:36	3/3/2017 11:12	3/8/2017 09:28
EER Strain Characterization - PFGE	17-061-128199	3/2/2017 13:36	3/3/2017 11:12	3/8/2017 09:28

END OF CHART

H - high L - low * - abnormal C - critical

Patient:

ARUP Accession: 17-061-128199

Patient Identifiers:

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