



Pseudomonas aeruginosa

Environmental water

Test Description

Water from pools, spas, and whirlpools is tested to determine the presence of *Pseudomonas aeruginosa*. Addition of sodium thiosulfate to the specimen neutralizes any residual chlorine to reduce the potential bactericidal activity during specimen transport. Samples are filtered and plated on *Pseudomonas* F agar, which enhances the production of pyoverdinin pigment, a yellow fluorescent pigment produced by *Pseudomonas aeruginosa*. Testing is generally completed within 48 hours but may occasionally take longer.

Acceptable Specimens: collection guide and transport conditions

- Pool, Spa, whirlpool water
 - Temperature: Refrigerated (2-8 °C)
 - Maximum Submission Delay: Specimen must be received as soon as possible after collection
 - Container: Sterile 125-ml Nalgene bottle with wide-mouth and screw-capped lid containing 3 drops of sterile 0.1 N sodium thiosulfate

Laboratory Unit

Bacteriology

Methodology

Culture

Test Request

Coming Soon

Possible Results:



ALLEGHENY COUNTY PUBLIC HEALTH LABORATORY

3901 Penn Ave, Building 8
Pittsburgh, PA 15224
412.578.8070

- Present
- Absent

Reference Range

Absent

Rejection Criteria

- Unreadable/missing/insufficient labeling
- Wrong specimen collection kit
- Expired specimen collection kit
- Storage/transportation requirements not met
- Leaking or contaminated specimen transport container
- Quantity not sufficient
- Specimen too old
 - Collected it in acceptable kit but did not submit within appropriate time window
- Improperly collected specimen
- Specimen not inoculated/ no specimen submitted

Result Reported

24-72 hours

LOINC Code(s)

100908-3