

ALKEN-MURRAY CORPORATION	TITLE: AEROMONAS IDENTIFICATION AGAR PREPARATION PROCEDURE	NO. QC-101
MICROBIOLOGICAL DIVISION	QUALITY CONTROL	REV: 2
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QUALITY CONTROL METHOD - 101

Preparation and use of Aeromonas Identification Agar

Description:

This QC procedure is designed for the isolation and differentiation of *Aeromonas* species from other gram-negative rods, such as *Pseudomonas* and *Enterobacteriaceae*. Specimens with low numbers of *Aeromonas* may first be enriched by growth on Starch broth or Starch agar (QC-93) for 4 to 9 days. This procedure should be performed by a trained laboratory technician.

Equipment and Supplies:

Hardy Diagnostics Blood Agar with Ampicillin, product code A12 <http://www.hardydiagnostics.com>

Erlenmeyer flask (Double size of batch being prepared)

Sterile gloves

Starch broth or agar (QC-93) and all items in that procedure, optional <http://www.alken-murray.com/QC93.pdf>

Laboratory balance sensitive to 0.001 g

Incubator that can be set to 30°C

Inoculating loop/needle (use sterile blue or yellow individually sterilized loop-needle combination)

Appropriate size measuring cylinder or volumetric flask to measure distilled water

Blue (1µl) or yellow (10µl) sterile inoculating loop-needle, individually packaged, 1µl

Procedure:

1. Purchase media from Hardy Diagnostic pre-prepared or obtain recipe for media from *CRC Handbook of Microbiological Media*, Second Edition, pages 55 and 56
2. Inoculate with sterile loop and incubate for 24 hours at 30°C
3. After 24 hours, look for colony growth. Growth is positive for *Aeromonas*. Additional tests may be used to confirm results. Check with Valerie.
4. Record in your lab book and/or computer records.

References:

1. Handbook of Microbiological Media by Ronald M. Atlas, edited by L. C. Parks, CRC Press Inc. 1993, page 57
2. Hardy Diagnostics website <http://www.hardydiagnostics.com>