

TRAITS OF AMBIENT WATER BACTERIA PURE CULTURES page 53c

5 Aug09, 22July10, 22July11

cross reference: See the protocols for: *Assay of Coliform in Ambient Water*
Single Colony Isolation.
Triple Sugar Agar Interpretation

You choose, circles and single colony isolated the four most distinctly different (and interesting) colonies from your 35°C EMB plates: one (ONLY) lactose fermenting, and three *unambiguously* lactose negative. Carefully record detailed traits of each, and then single colony isolated each colony a fresh EMB plate.

In this table, record the colonial traits in detail for your four specimens from the source plate and from the subsequent streak plate (are the traits the same?). After you perform the TSI test, record the score and give the possible identity of each isolate.

| Isolate number, source | Detailed traits of original colony | Traits of colonies on single colony isolation plate | TSI reactions | Possible identity of the isolated bacterial strain |
|------------------------|------------------------------------|---|---------------|--|
| 1 Lac + | | | | |
| 2 Lac - | | | | |
| 3 Lac- | | | | |
| 4 Lac- | | | | |