

Product: Triple Sugar Iron (TSI) Agar

Catalog Number: i23183

Lot Number:

Date of Release:

Expiration Date:

Dehydrated Appearance: Pink, free-flowing, homogeneous.

Solution: 6.5% solution, soluble in purified water upon boiling. Solution is red, very slightly opalescent, may contain up to a small amount of dark brown precipitate.

Prepared Appearance: Red, slightly opalescent.

pH of 6.5% solution at 25 °C: 7.4 ± 0.2 at 25°C

Cultural Response: Prepare the medium per label directions. Inoculate with fresh cultures by the stab and streak method and incubate with caps loosened at $35 \pm 2^\circ\text{C}$ for 18-24 hours.

| Organism | ATCC* | Recovery | Slant | Butt | Gas | H ₂ S |
|---|-------|----------|-------|------|-----|------------------|
| <i>Escherichia coli</i> | 25922 | Good | A** | A | + | - |
| <i>Pseudomonas aeruginosa</i> | 9027 | Good | K | K*** | - | - |
| <i>Salmonella enterica</i> <i>subsp. enterica</i> <i>serotype Enteritidis</i> | 14028 | Good | K | A | + | + |
| <i>Shigella flexneri</i> | 12022 | Good | K | A | - | - |
| <i>Proteus vulgaris</i> | 13315 | Good | A | A | + | + |

*ATCC is a registered trade mark of the American Type Culture Collection.

**A: Colour changes to yellow due to acid production.

***K: Colour changes to red due to alkalization

QC Department