Microbial Detection Using Biolog Chromogenic Media

Rainbow® Agars offer a simple, selective and chromogenic medium to help you conveniently detect strains of *E. coli* 0157, *Shigella* and *Aeromonas* with results in less than 24 hours.

RAINBOW AGAR 0157

Rainbow Agar O157 has both selective and chromogenic properties that make it particularly useful for detecting and isolating pathogenic *E. coli* strains. The medium contains chromogenic substrates that are specific for two *E. coli*-associated enzymes: ß-galactosidase (a blue-black chromogenic substrate) and ß-glucuronidase (a red chromogenic substrate). Rainbow Agar O157 is listed in the FDA's Bacteriological Analytical Manual (BAM) as a preferred laboratory procedure for microbiological analysis of foods and cosmetics.

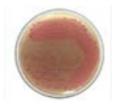
RAINBOW AGAR SHIGELLA / AEROMONAS

Rainbow Agar Shigella/Aeromonas was developed to provide laboratories with a better culture medium for directly isolating pathogenic strains of *Shigella* and *Aeromonas*. The medium is inhibitory to gram-positive bacteria and most non-enteric gram-negative bacteria, but is not toxic to the target species. *Escherichia coli* is significantly inhibited, and colonies that grow are blue.

EXPECTED RESULTS



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| Organism | Colony Color | |
|-------------------------------------|----------------|--|
| E. coli 0157:H7 | Black or gray | |
| E. coli O157:H7 (glucuronidase+) | Purple-blue | |
| E. coli O26:H11 | Purple magenta | |
| E. coli O26:H21 | Purple | |
| E. coli 0111:H or 0111:H8 | Violet or gray | |

| Organism | Growth | Colony Color |
|----------------------|---------|--------------|
| Shigella sonnei | Good | Orange-red |
| Shigella flexneri | Good | Orange-red |
| Shigella boydii | Good | Orange-red |
| Shigella dysenteriae | Good | Orange-red |
| Aeromonas hydrophila | Good | Orange-red |
| Escherichia coli | Partial | Blue |

Biolog has a complete range of products for the identification and characterization of aerobic and anaerobic bacteria, yeast and fungi. Please visit our website at www.biolog.com for more information.

FOR RESEARCH USE ONLY.
Not for human *in vitro* diagnostic use

ORDERING INFORMATION:

| Catalog # | Description | Unit Size |
|-----------|-------------------------------------|-------------------|
| 80102 | Rainbow Agar O157 | 30 g (25 plates) |
| 80302 | Rainbow Agar SHIGELLA/ AEROMONAS | 71.5g (50 plates) |

