



Ambient light

Mirror image

Ultraviolet light

ECACheck[®] Plus Easygel[®] Guide

Target organisms: *E. coli*, other coliforms and *Aeromonas*

Colony Colors

- 1 - *E. coli* (dark blue/purple) larger size,
UV lighting: dark center with fluorescent zone,
- 2 - Other Coliforms (light blue/gray/purple) smaller size
- 3 - *Aeromonas* spp. (pink/red)
- 4 - *Salmonella* spp. (green/teal)

ECA Check[®] Plus Easygel[®] Specification Data

Selective For:	<i>E. coli</i> , other coliforms, <i>Aeromonas spp.</i> , and some <i>Salmonella spp.</i>
Description:	ECA Check [®] Plus is a clear medium containing a chromogenic substrate mixture. Enzymes specific to each of the four bacterial groups react with their specific chromogenic substrates to produce the colors that differentiate each bacterial type. In addition, the glucuronidase cleaves the fluorescent entity which results in a bright blue fluorescence from <i>E. coli</i> colonies lighted by long wave UV light.
Composition:	Contains nutrients, inhibitors and chromogenic substrate mix. pH 7.3 ± 0.2
Procedure:	Use standard methodology for product being tested. Incubation time and temperature; 24-48 hrs at 35°C. It is possible to take accurate readings at 24 hours incubation time. Colors will intensify and colony size will be larger at 36-48 hours. The fluorescence of <i>E. coli</i> can generally be detected by 12-15 hr. incubation. Fluorescence may diffuse throughout the plate after 24 hrs making quantification by fluorescence impossible after that initial time period.
Interpretation:	<i>E. coli</i> * colonies will have a dark blue/purple overall colony color and fluoresce a bright blue under long wave UV light. Non-fecal coliforms (<i>Enterobacter</i> , <i>Citrobacter</i> , <i>Klebsiella spp.</i> and others) do not fluoresce and are light blue/grey to purplish in color. <i>Salmonella spp.</i> do not fluoresce and appear as green/teal colonies. <i>Aeromonas spp.</i> do not fluoresce and are pink to very light pink. Gram-positive organisms are generally inhibited.
Storage:	Freeze
Shelf Life:	1 year

Further information links on our web site:

- FAQ
- Our Methods
- Food Microbiology

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