



Coliscan[®] C MF Guide

Target organisms: *E. coli* and other coliforms

Colony Color Guide

E. coli ■ Blue / Purple
Other Coliforms ■ Pink

Coliscan® C MF Specification Data

For:	<i>E. coli</i> and total coliforms (EPA approved for drinking water compliance monitoring.)
Description:	Coliscan C MF is a clear medium containing two chromogenic substrates. One is cleaved by the enzyme galactosidase (produced almost exclusively by coliforms) to produce a non-diffusive pink compound. This causes coliform colonies to become pink/red. The second is cleaved by the enzyme glucuronidase (produced almost exclusively by <i>E. coli</i>) to produce a non-diffusive teal compound. Using the two compounds allows easy visual distinction between general coliforms (pink/red colonies) and <i>E. coli</i> (pink + teal = blue/purple colonies).
Composition:	Contains nutrients, chromogenic substrates and inhibitors.
Procedure:	Prepare the medium as instructed. Use standard methodology for product being tested. Incubation time and temperature; 24-48 hrs at 35°C. Colors will intensify and colony size will be larger at 36-48 hours.
Interpretation:	<i>E. coli</i> colonies will have a blue/purple overall colony color. Other coliforms (<i>Enterobacter</i> , <i>Citrobacter</i> and <i>Klebsiella spp.</i>) are pink to red in color. <i>Proteus</i> , <i>Salmonella</i> and <i>Shigella</i> will generally grow as white colonies. An occasional teal colony is indicative of a non-coliform which has the ability to produce glucuronidase but not galactosidase. A few strains of <i>Salmonella</i> and <i>Shigella</i> have this capability.
Shelf Life:	1 year (frozen)

Further information links on our web site:

- [FAQ](#)
- [Our Methods](#)

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