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Section: Technical Manual	Subject Title: RapID MGP Test	
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RapID MGP TEST

Principle

Rapid MGP Medium is a 5 hour test for the differentiation of *Enterococcus faecium* and *E. faecalis* from *Enterococcus gallinarum* and *E. casseliflavus* based on the ability to acidify the carbohydrate methyl-glucopyranoside (MGP).

Reagents

Rapid MGP Medium (Hardy Diagnostics)
Bacteriology loop

Procedure

1. Using a sweep of colonies from an 18-24 hour pure culture of the organism to be tested, stab the MGP media with the loop. There should be a visible cell paste on the loop as the media is inoculated.
2. Incubate aerobically at 35⁰C for 5 hours.
3. Observe for the development of a yellow colour along the stab line indicating a positive test.
4. Reincubate weak reactions for 24 hours.

Interpretation

Positive: yellow colour along stab line
Negative: colour remains blue

<i>E. casseliflavus</i>	+
<i>E. gallinarum</i>	+
<i>E. faecalis</i>	-
<i>E. faecium</i>	-

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Quality Control

Positive and negative controls are run each time the test is set up.

Positive: *E. casseliflavus* (ATCC 12755)

Negative: *E. faecalis* (ATCC 19966)

Reference

1. Hardy Diagnostics package insert 1999.