

## Microgen® *E.coli* O157 latex test

A rapid test for the identification and confirmation of *E.coli* serogroup O157 grown on selective solid media.

*E.coli* O157, one of a group of *E.coli* serotypes known as EHEC are the causative agents of Haemorrhagic colitis (HC), Haemolytic Uraemic Syndrome (HUS) and community acquired diarrhoea.

Sorbitol MacConkey medium is the recommended screening agar for *E.coli* O157, as the strain is unable to ferment sorbitol. However, other sorbitol-negative Gram-negative rods also grow on sorbitol MacConkey agar. As a result of this, a specific rapid confirmation method is required.

The conventional method for confirmation of *E.coli* O157 serotypes utilises specific antisera in a standard agglutination test. However, this



method and other commercially available latex tests have been shown to suffer from cross reactions with other enteric organisms such as *E.hermanii*, which antigenically and biochemically resembles *E.coli* O157, resulting in false positive results.

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Rapid identification confirmed  
within 2 minutes  
Easy to use  
High sensitivity and specificity

[www.microgenbioproducts.com](http://www.microgenbioproducts.com)

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# Microgen® *E.coli* O157 latex test

Microgen® *E.coli* O157 is an easy-to-use one step, latex kit which gives results in under two minutes and specifically confirms *E.coli* O157 directly from the selective agar, even in mixed culture.

Microgen® *E.coli* O157 demonstrated no cross reactions when tested against a panel of 161 *E.coli* 'O' serotypes and 56 'H' serotypes, and shows strong specific agglutination.

Microgen® *E.coli* O157 gives strong and specific results within two minutes and comes complete with a control latex which can be easily compared with test results to confirm non-specific reactions.

## Ordering Information:

Code	Description	Size	Storage
M44CE	Microgen® <i>E.coli</i> O157	50 tests	2 - 8°C

## Reagents/Kit:

Reagents	Product Code	Detects	Quantity/Size
<i>E.coli</i> O157 latex reagent	M44a	Latex particles coated with rabbit antibodies to <i>E.coli</i> O157	2.5ml
Control latex reagent	M44b	Latex particles coated with rabbit antibodies non-reactive to <i>E.coli</i> O157	2.5ml
0.85% Isotonic saline	M40	Sample preparation solution	5.0ml

If you need any further information on any of the above tests please contact Microgen Bioproducts Ltd.

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