

TRANSIA[®] PLATE

E. coli O157

Result already in 17 hours

Ready-to-use reagents

Validated performance



RAISIO

DIAGNOSTICS

TRANSIA[®] PLATE

E. coli O157

E. coli O157 is recognized as one of the most severe threats in food, affecting consumers of contaminated meat, dairy products and other foods. Outbreaks due to *E. coli* O157 have caused major recalls and important financial setbacks for food producers. Storage precautions and standard food hygiene are frequently inadequate to limit the presence of this foodborne pathogen. Therefore, the need to screen for it is unquestioned.

TRANSIA PLATE E. COLI O157

The accurate assessment of *E. coli* O157 has proved to be cumbersome when using traditional culture methods. TRANSIA PLATE E. coli O157 has been designed for simplicity and meets the highest demands for sensitivity and specificity. The well-known sensitivity of the TRANSIA CARD E. coli O157 has been further enhanced with TRANSIA PLATE E. coli O157 and all known tested *E. coli* O157 strains were found to be positive. The need for confirmation test is limited due to the high specificity of the ELISA technology compared with culture methods. The TRANSIA ELISA technology, with ready-to-use reagents and a divisible strip microtiterplate, makes the kit ideal for single tests as well as large series. The results can be available within 17 hours from sampling.

TEST MATRICES

- Meat, fish, dairy and other food products
- Water

ORDERING INFORMATION:
EC0196, TRANSIA PLATE E. coli O157,
1 plate, divisible strips

TECHNICAL ADVANTAGES

- Reliable results
- 16-24 hours enrichment protocol recommended
- Detects down to 1 cfu per 25 g of sample
- Easy to use – ready-to-use reagents
- Flexible – can be used for small and large series
- Safe – performed on heat-treated samples

FINANCIAL ADVANTAGES

Less need for confirmation tests
Takes 1-2 days less to perform and requires less labour time per test compared with conventional methods

SPECIAL APPLICATIONS

Automated test procedure using the TRANSIA Elisamatic II or T4U, with walk-away comfort.

VALIDATED PERFORMANCE

AOAC Research Institute

***E. coli* O157**

E. coli is the main *Escherichia* genus species belonging to the enterobacteriaceae family. *E. coli* is a normal inhabitant of the intestines of all animals, including humans. The verocytotoxin-producing serotypes (VTEC), including *E. coli* O157, are well-known causes of various gastro-intestinal discomforts in humans. Although the number of *E. coli* O157 required to cause an infection is not known, it is suspected to be very small. Most illness has been associated with eating inadequately cooked, contaminated ground beef. Infection can also occur after drinking raw milk or drinking contaminated water. In addition, *E. coli* O157:H7 outbreaks have implicated alfalfa sprouts, unpasteurised fruit juices, salami, lettuce, and cheeses.

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www.raisiodiagnostics.com