



FOOD PATHOGENS

# RapidChek®

*E. coli* O157  
(INCLUDING H7)

The RapidChek®  
*E. coli* O157 (Including H7)  
is a simple, reliable, and  
affordable solution. It's one  
of the fastest screening  
systems available.



## How RapidChek® *E. coli* Works

The RapidChek® immunoassay employs a unique combination of anti-pathogen antibodies and colloidal gold conjugate coated on the surface of a membrane. The RapidChek® assay can be used in combination with a proprietary RapidChek® enrichment media broth for a rapid 8-hour result for a 25 g sample or 10-hour and 12-hour rapid result for 375 g samples. A second protocol using a standard 15-hour enrichment in modified TSB broth plus novobiocin is also available. After suitable enrichment, the sample broth is transferred to a test tube and a test strip is inserted into the tube. No heat treatment is required. Within 10 minutes you have a result. One line means the sample is negative, two lines mean it's positive. It is the fastest definite negative result. A control line is built into the lateral flow strip so you know the test has worked. The test kits are stored at room temperature.

## Applications

RapidChek® *E. coli* O157 (Including H7) has been designed to detect the pathogen in meat, dairy, and plant products.

## Validations

The method is AOAC approved for use in ground beef and boneless beef trim.

## Confirmation

Presumptive positive results must be confirmed by a cultural reference method (USDA MLG or other applicable method). Enriched media samples used in the test procedure can be used for confirmation.

## CUSTOMER BENEFITS

### Saving time and money

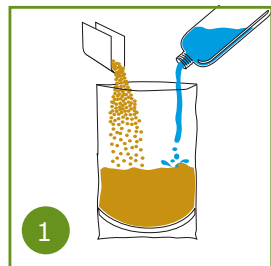
- Faster product release
- Fewer recalls
- Lower total cost in use
- *E. coli* O157:H7 verification from RapidChek® media enrichment by PCR

### Increasing lab productivity:

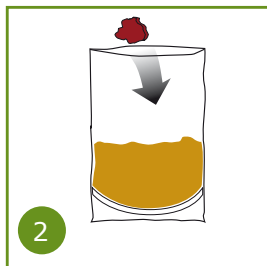
- Reduced material and labor costs
- Simple application minimizes training costs
- Less errors through easier handling
- Validated with 25 g to 375 g beef samples

# Pathogen Screening Quick Reference

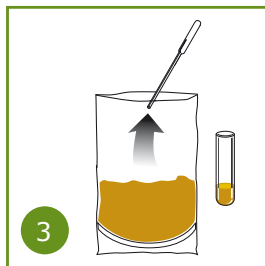
Read the Package Insert instructions completely before performing any test.



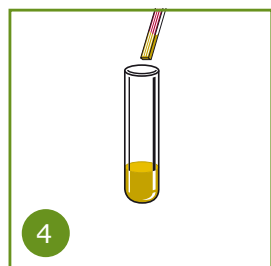
1  
Rehydrate RapidChek® media and add to sterile sample bag.



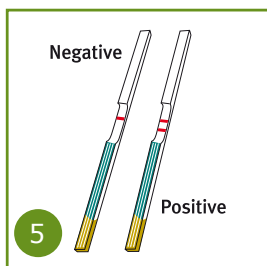
2  
Place sample in bag and incubate at 42 °C for 8 – 18 hours (see package insert for exact enrichment times dependent on sample size).



3  
After incubation, transfer 1 mL to a test tube.



4  
Insert test strip.



5  
After 10 minutes, read result.  
1 line = negative  
2 lines = positive

## Confirmation

Presumptive positive results must be confirmed by a cultural reference method (USDA MLG or other applicable method). Enriched media samples used in the test procedure can be used for plating to CT-SMAC, Rainbow® Agar O157, or CHROMagar™ O157 for confirmation

## Ordering Information–RapidChek® *E. coli* O157 (Including H7)

Item	Description	Part Number
Test Kit	50 test strips - Enrichment media not included	7000157
Bulk Test Kit	500 test strips - Enrichment media not included	7000158
Proprietary Media	500 g	7000161
Bulk Proprietary Media	5 kg	7000165

## Also available:

RapidChek® *Salmonella*, RapidChek® SELECT™ *Salmonella*, RapidChek® SELECT™ *Salmonella* Enteritidis, RapidChek® *Listeria*, RapidChek® *Listeria* NextDay™, RapidChek® CONFIRM™ non-O157 STEC IMS Kit