VWR

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FoodChek™
Food safety, **simplified**.

foodcheksystems.com

# FoodChek Systems Inc
# MICT Nanotechnology

## FoodChek™ MICT* Reader and Assay Cassettes

FoodChek's™ MICT Assay cassettes and reader allow the quantitative and qualitative detection of pathogens or other analytes in complex food or environmental samples.

- Bench-top system fits into any lab
- Color LCD touch screen allows for simple operation
- Casette 2-D cassette barcode label enables easy data management
- External connectivity to LIMS or PC provides structured access to permanent records
- Stores and prints test results for easy retrieval

** Magnetic Immuno-Chromatographic Technology*

FoodChek's MICT Assay Cassettes are PERFORMANCE TESTED AOAC RESEARCH INSTITUTE Certified

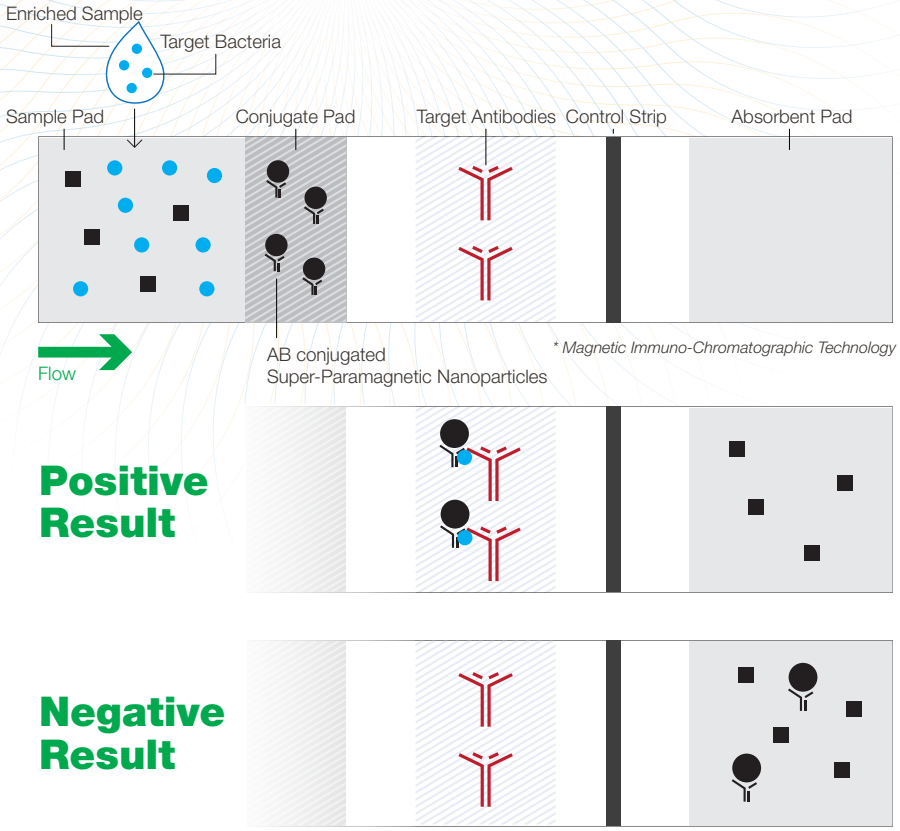
FOODCHEK TESTED

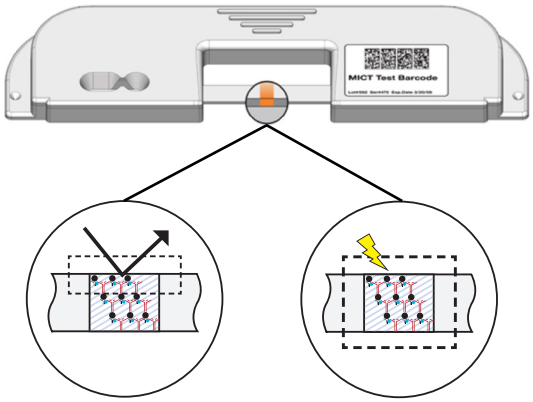
FoodChek's MICT Reader has been 510(k) FDA Certified and has the CE Marking

## MICT™ How it works

The format of MICT® assays is similar to other lateral flow tests, however, magnetic nanoparticles replace the gold or colored latex particles used in visually read tests.

Unlike conventional immunoassays magnetic measurement is not interfered with by other molecules in the sample or by non-uniform distribution of the pathogen-antibody complex in the capture region of the cassette.




**Qualitative Result**

### Optical Detection

Optical methods only detect signal within the top layer of the membrane

**Quantitative Result**

### Magnetic Detection

MICT® method detects magnetic signal within the entire volume of the membrane

- Improved sensitivity as all the magnetic signal is measured
- Improved specificity as there is no interference from other molecules
- Quantitative results eliminates the need for operator interpretation
- Cost effective system allow you to take control of your testing program
- Fastest "Time-To-Results"

## Product Reference

| VWR Cat. No. | FoodChek Cat. No. | Item | Description |
|---|---|---|---|
| 97068-806 | FCR-004 | FoodChek™ - MICT V2 Reader | 1 MICT Reader, 1 user manual CD, 1 stylus, 1 Verification Cassette, 1 USB flash drive and 3 rolls of paper (enough for approx. 100 tests) |
| 97068-820 | FCLS-001 | FoodChek™ - Listeria spp. Test Kit | 20 Assay Cassettes, 20 pouches of Actero™ Listeria Enrichment Media (dehydrated), 20 Sampling Swabs (Enough for 20 tests) |
| 97068-812 | FCEC-001 | FoodChek™ - E. coli O157 Test Kit | 20 Assay Cassettes and 2 vcc Supplement Vials (enough for 20 tests @ 375g samples) |
| 97068-814 | FCEC-002 | FoodChek™ - E. coli O157 Bulk Media Kit | 20 Assay Cassettes, 2 vcc Supplement Vials, 500g Actero™ mTSB Media (dehydrated media, enough for 20 tests @ 375g samples) |
| 97068-816 | FCEC-004 | FoodChek™ - E. coli O157 Prepack Media Test Kit | 20 Assay Cassettes, 20 pre-packaged Actero™ mTSB pouches (dehydrated) & 2 vcc Supplement Vials (enough for 20 tests @ 375g samples) |
| 97068-818 | FCEC-005 | FoodChek™ - E. coli O157 Carcass Sponge Kit | 500g Actero™ mTSB Media (dehydrated), 2 vcc Supplement Vials, 20 Assay Cassettes and 20 Beef Carcass Swabs and Sample Bags |
| 97068-810 | FCR-003 | FoodChek™ - MICT Verification Cassette | 1 MICT Verification Cassette |
| 97068-808 | FCR-002 | FoodChek™ - MICT Cleaning Cassettes | 10 per Box |

To request a sample please visit **vwr.com** or call **1.800.932.5000**

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