

# Microorganism Enumeration

# SimPlate<sup>®</sup>

## An Improved Counting Method

Developed to overcome the limitations of other counting methods, the SimPlate system with Binary Detection Technology™ represents the latest technological advancement in counting methods. SimPlate's combination of pre-measured media and patented plating device provide accurate, easy-to-read results days faster than agar plate or film methods.

## Fast, Accurate and Simple



### Example of Binary Detection Technology

A typical SimPlate Total Plate Count CI test after inoculation with the test sample and SimPlate TPC-CI medium mixture *prior to incubation*. Observe the color of the SimPlate wells and note as background color.



After 24 h incubation, wells that are positive will exhibit color change from the background color. Simply count the number of positive wells, refer to the SimPlate Conversion Table and arrive at the number of organisms in the sample.

Available for: Total Plate Counts • Yeast & Mold • Coliforms/*E. coli* • *Campylobacter* • *Enterobacteriaceae*

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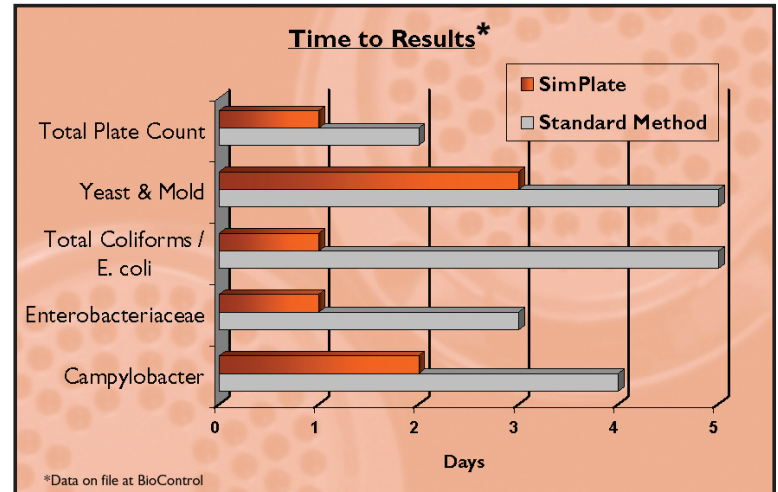
Results. Right now.

## Reduce Costs

**Faster Results** — SimPlate results are available days faster than other methods. This allows you to release product sooner, address problem areas quickly, and lower operational costs.

**Fewer Dilutions** — The SimPlate device has a maximum counting range of 738 while agar plate and film counting ranges are limited to 300 cfu or less. SimPlate's larger counting range reduces the number of dilutions and reruns due to TNTC results, saving time, labor, and materials costs.

**Easy to Prepare** — SimPlate media comes pre-measured and ready-to-hydrate, eliminating the elaborate and costly steps of traditional plating procedures.



## Simplify procedures

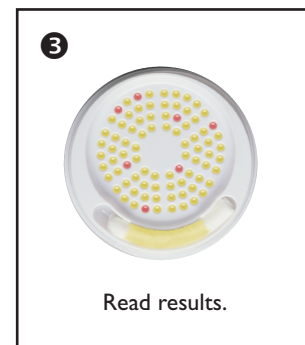
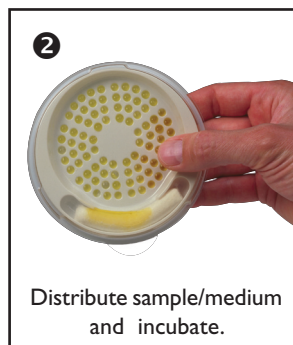
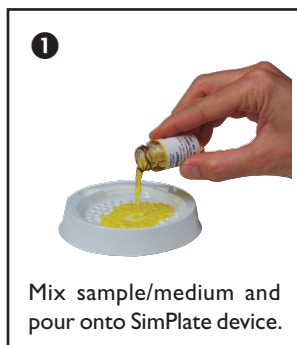
**Easy to Read Results** — With SimPlate's Binary Detection Technology positive and negative results are distinguishable at a glance. Simply count the number of positive wells, and refer to the SimPlate Conversion Table to arrive at the number of organisms present in the sample. With SimPlate there is no confusion between a zero count and a TNTC as in other plate or film methods.

**Consistent and Reproducible** — SimPlate results do not require subjective interpretation, which eliminates analyst to analyst variability, and provides consistency across users, thereby generating more reproducible results than other methods.

**Less Interference** — Unlike plating or film methods, the SimPlate device confines the sample to the isolation wells, minimizing the effects of swarming bacteria and spreading molds that can mask accurate counts. Accuracy is also enhanced by minimizing interference from food particulates or profuse gas production.

**Single Plate Results** — While other methods require duplicate plating of samples, SimPlate has been validated to provide equivalent results with just a single plate (AOAC Official Methods 2002.07, 2002.11 & 2005.03).

## Three simple steps



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Results. Right now.

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MKT.103.R001.082005