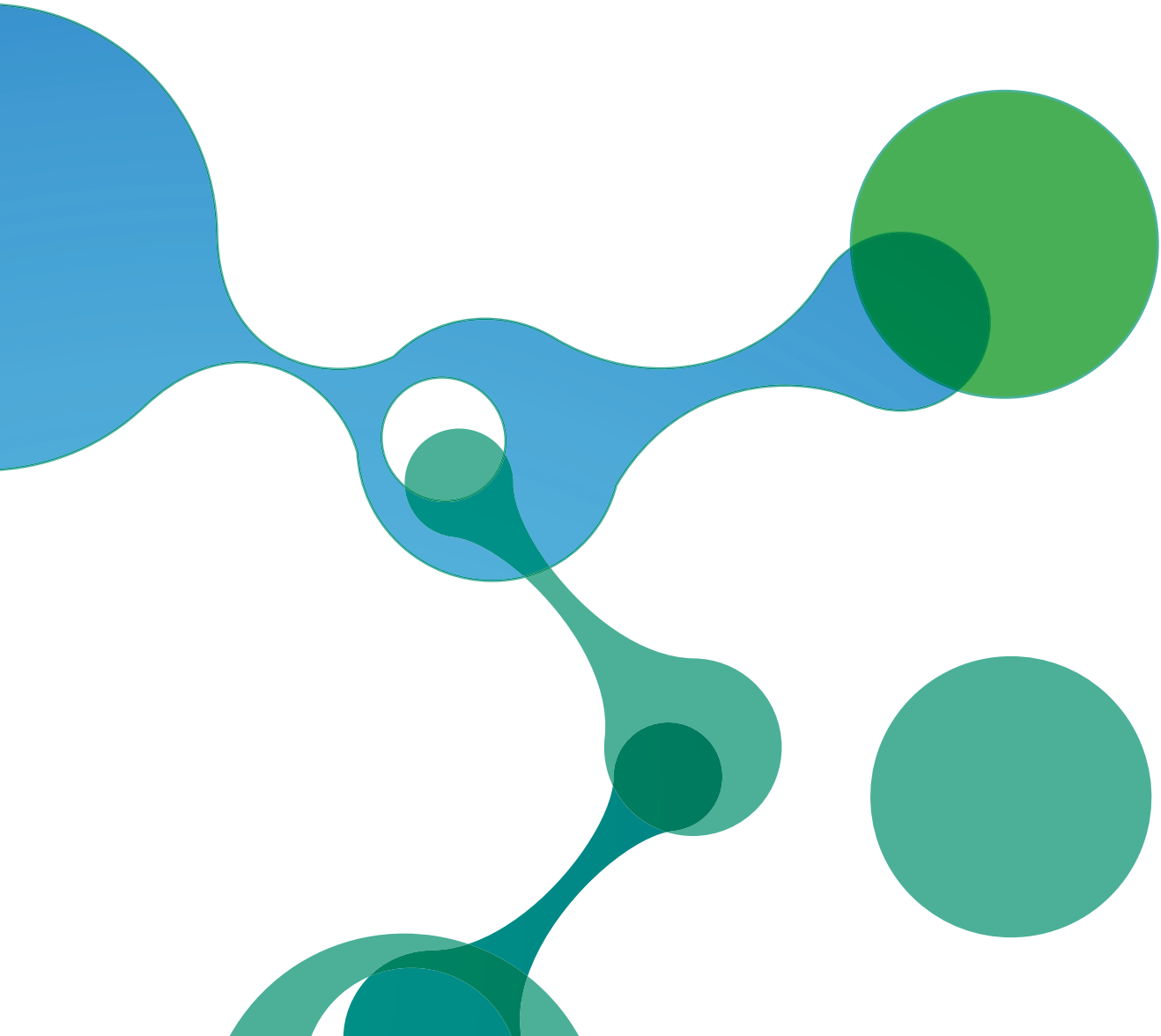




Meizheng Microbiology Test Microbial Count Plate



ABOUT US

Meizheng is focused on food safety testing solutions and has developed multiple product lines for food safety testing, including rapid testing, microbiological testing and lab testing solutions. Our solutions are targeted at food value chain stakeholders in various industries like grain, feed, dairy, honey, meat processing, distribution, etc. Our testing items cover biotoxin, heavy metal, vet drug residue, pesticide residue, nutrition, pathogen, etc.

Through years of development, Meizheng has set up 5 entities and 4 manufacturing sites in China, and has developed technological platforms including immunoassay, ELISA, sample preparation, microbiology, standard materials, automated instrument, etc. The company has passed ISO9001 quality management system, and has also set up a certified third-party testing lab.

Meizheng is committed to provide fit-for-purpose food safety testing solutions. Various series products such as ToxinFast[®], HMFAST[®], AnticFast[®] and MicroFast[®] have been recognized by customers. Besides China, Meizheng products have been sold in over 20 countries like Russia, Belarus, France, United States, India, Vietnam, etc.

In 2019, Meizheng was incorporated into PerkinElmer, and has further expanded overseas network since then. Also, Meizheng has accelerated various products' certification process in AOAC and ILVO.

Microbiology segment focuses on the development of rapid test technology of microorganisms. The rapid culturing platform, immunoassay platform and molecular biology technology platform have been established successively. The product portfolio covers the microbial count plates, quantitative real-time PCR kits, Hygiene monitoring system, etc. In 2021, multiple MicroFast[®] Microbial Count Plate have acquired AOAC certificates.

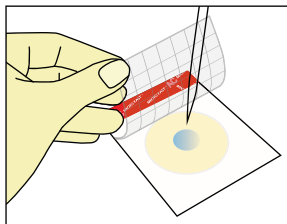


MicroFast[®]

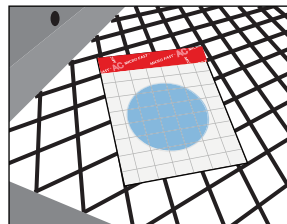
Microbial Count Plates

Reliable results, **Only 3 Steps**

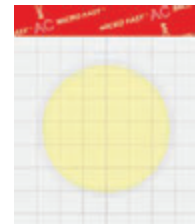
- **Inoculation** Lift the top film and add sample.
- **Incubation** Incubate the plates following the Instruction for Use.
- **Interpretation** Count the colonies.



Inoculation



Incubation



Interpretation

Product Features

Rapid diffusion technology

The sample dilution can quickly spread on the count plate without pressing the plate.

Precise and consistent results

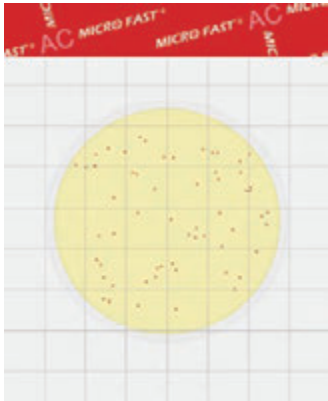
Self-developed microorganisms growing technology makes it easy for the growth of microorganisms with strict growth conditions.

Easy interpretation

The product design is based on the principle of enzyme substrate color reaction. After cultivation, the result can be directly interpreted.

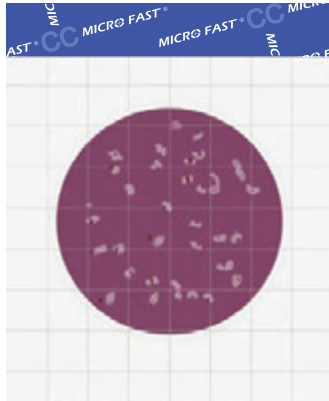
Easy operation, work efficiently

Only 3 steps of operation, most of the microorganism tests can be completed within 24 hours, which shortens the testing time and improves culture efficiency.



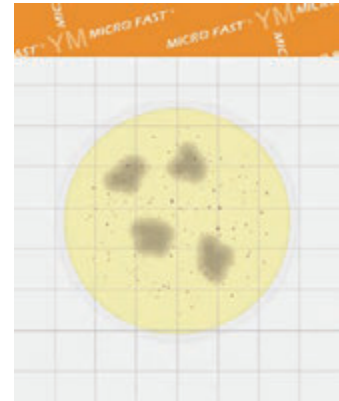
MicroFast® Aerobic Count Plate (AC)

Result in 48±1h
 Culture temperature: 36±1°C
 Interpretation: Red colonies
 Product No.: LR1001
 Identification: Quantitative



MicroFast® Coliform Count Plate (CC)

Result in 18-24h
 Culture temperature: 36±1°C/44.5±0.2°C
 for thermotolerant coliforms
 Interpretation: Red colonies with
 bubbles
 Product No.: LR1002
 Identification: Quantitative



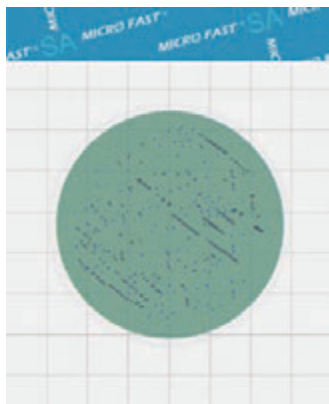
MicroFast® Yeast & Mold (YM) Count Plate

Result in 48h for Yeast
 Result in 72h for Mold
 Culture temperature: 28±1°C
 Interpretation: Count red-violet colonies as
 yeast, red-violet colonies with irregular
 edges as mold.
 Product No.: LR1003
 Identification: Quantitative



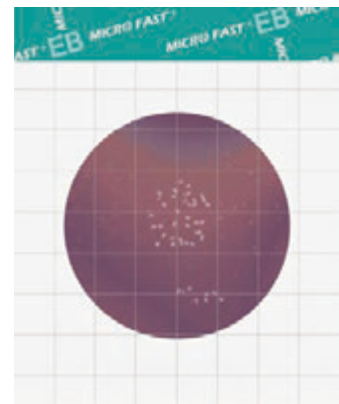
MicroFast® Staphylococcus aureus (SA) Count Plate

Result in 22 -26h
 Culture temperature: 36±1°C
 Interpretation: *Staphylococcus aureus*
 appears as pink line or dot colonies.
 Other colonies have to be checked
 using the Staph confirmation plate.
 Product No.: LR1005
 Identification: Quantitative/Qualitative



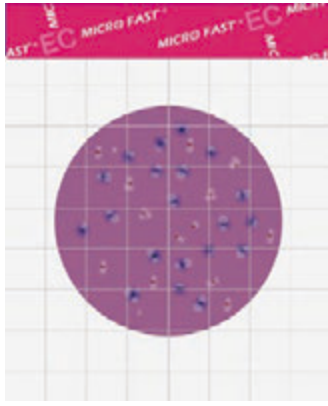
MicroFast® Staphylococcus aureus (SA) Confirmation Plate

Result in 1.5 -4h
 Culture temperature: 36±1°C
 Interpretation: Dark purple lines or dots
 Product No.: LR1005Q
 Identification: Quantitative/Qualitative



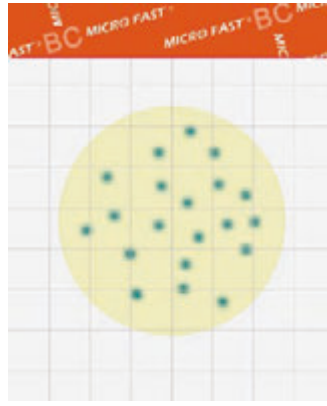
MicroFast® Enterobacteriaceae (EB) Count Plate

Result in 18 -24h
 Culture temperature: 36±1°C
 Interpretation: Count all red and yellow
 colonies with or without bubbles.
 Product No.: LR1011
 Identification: Quantitative



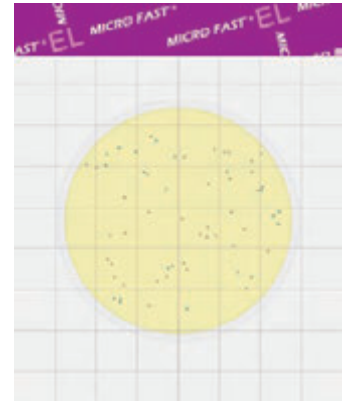
MicroFast® Coliform & *E. coli* (EC) Count Plate

Result in 24±2 h
 Culture temperature: 36±1°C
 Interpretation: Count blue colonies with bubbles as *E. coli*, count blue and red colonies with bubbles as coliform.
 Product No.: LR1007
 Identification: Quantitative



MicroFast® *Bacillus cereus* (BC) Count Plate







Result in 18 -24 h
 Culture temperature: 30°C
 Interpretation: blue-green cluster colonies
 Product No.: LR1010
 Identification: Quantitative



MicroFast® Environmental *Listeria* (EL) Count Plate

Result in 18 -24 h
 Culture temperature: 36±1°C
 Interpretation: blue-green colonies
 Product No.: LR1008
 Identification: Quantitative

Ordering information

Product Name		Catalog No.	Specification
Aerobic Count Plate		LR1001	25 pcs
Coliform Count Plate		LR1002	25 pcs
Yeast & Mold Count Plate		LR1003	25 pcs
<i>Staphylococcus aureus</i> Count Plate		LR1005	25 pcs
<i>Staphylococcus aureus</i> Confirmation Plate		LR1005Q	25 pcs
Coliform & <i>E. coli</i> Count Plate		LR1007	25 pcs
Enterobacteriaceae Count Plate		LR1011	25 pcs
<i>Bacillus cereus</i> Count Plate		LR1010	25 pcs
Environmental <i>Listeria</i> Count Plate		LR1008	25 pcs



Beijing Meizheng Bio-Tech Co., Ltd.

Address: No.2 Building, No.8 courtyard, Fenggusilu
Road, Yanqing District, Beijing, P.R. China.

Tel: +86-10-81187003

Zip: 102101

Shandong Meizheng Bio-Tech Co., Ltd.

Address: No. 69 Zhaoyang North Road, High-tech Zone,
Rizhao, Shandong Province, P.R. China.

Tel: +86-63-36117666


Zip: 276800



EASY-TO-USE MICROFILM COUNT PLATES



Microbiology Food Safety



MicroFast™ enables customers to enumerate microorganisms, yeasts and molds in a low cost, waste reducing format that fits the needs of the modern environmentally and efficiency conscious laboratory.

MicroFast count plates contain a thin film of dry rehydratable culture media, epoxy resin, and a color indicator. Intended for the testing for food, food material and environmental surfaces, the plates are designed to allow the visual count of bacterial, yeast, and mold colonies, aided with the color identification for differentiation of bacteria, yeast, and mold where required.

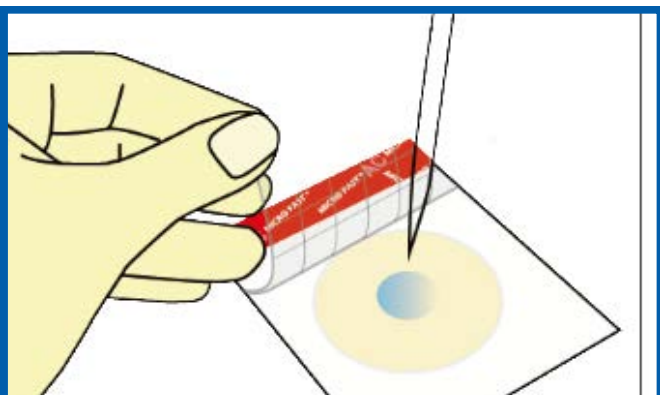
These microfilm plates are

- Easy to use
- Reduce storage and disposal costs
- Require no agar preparation
- Is a cost effective alternative to agar based methods

Currently in order to perform enumeration tests, laboratory either needs to prepare culture media from dehydrated powder, sterilize and pour plates or purchase large volumes of petri dishes filled with prepared culture media/agar. This media in petri dishes needs to be stored in a refrigerator until needed, taking up a lot of valuable storage space. With MicroFast plates the storage space required is minimal as is the quantity of disposable waste generated per test leading to reduction in costs. MicroFast plates are simple and efficient to use requiring less consumables and minimal training. With an 18 month shelf life the ability to respond to fluctuating demand far exceeds that of traditional media based methods.

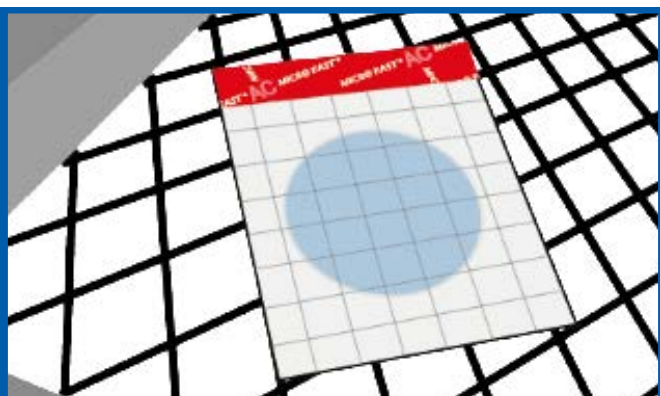
Reliable Results in Three Steps

During incubation, the enzyme or microbial metabolite reacts with the chromogenic substrate to display a specific color. Through observing the change of color, microbial detection can be realized.



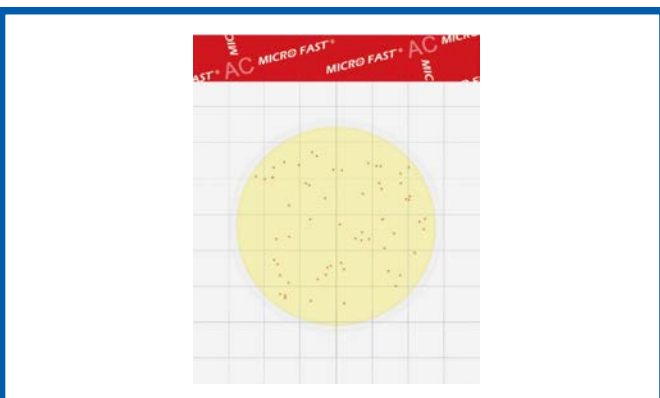
Inoculation

Lift the top film and add sample.



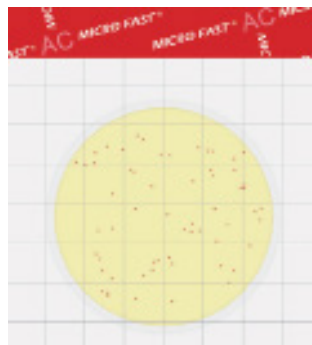
Incubation

Incubate the plates following the Instruction for Use.

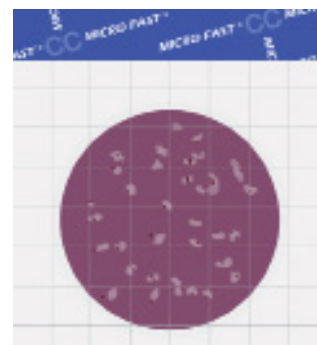


Interpretation

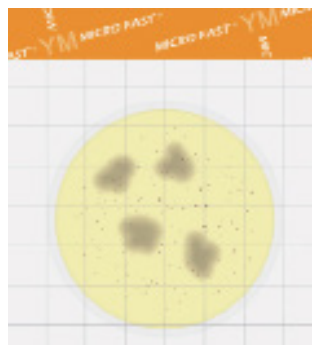
Count the colonies.



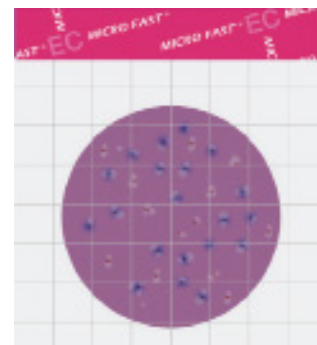
MicroFast™ Aerobic
Count Plate



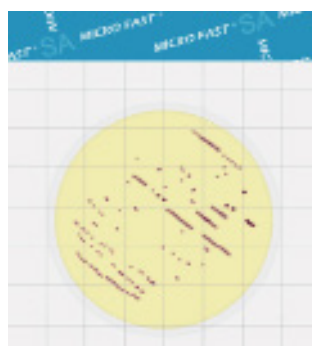
MicroFast™ Coliform
Count Plate



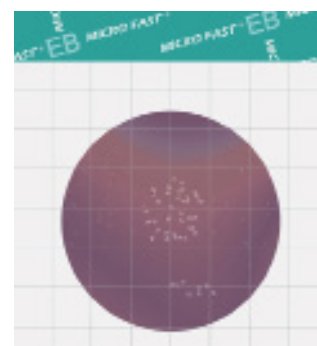
MicroFast™ Yeast & Mold
Count Plate



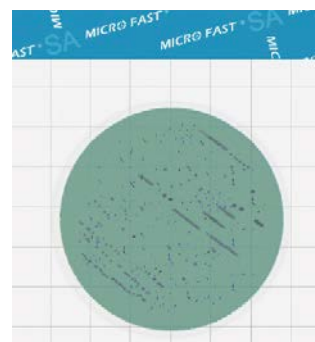
MicroFast™ Coliform & E.coli
Count Plate



MicroFast™ Staphylococcus
aureus Count Plate



MicroFast™ Enterobacteriaceae
Count Plate



MicroFast™ Staphylococcus
aureus Confirmation Plate

Culture Time Comparison

	Count Plate	Traditional Agar Culture
AC	48±2h	48±2h
CC/EC	18-24h	18-24h
EB	18-24h	42-48h
YM	Yeast 48±2h/Molds 72±2h	72-129h
SA	24±2h,1.5-4h	48-72h

PART #	PRODUCT	QTY
PKI-LR1001/ PKI-LR1001-01	MicroFast™ Aerobic Count Plate	25/1,000 tests
PKI-LR1002/ PKI-LR1002-01	MicroFast™ Coliform Count Plate	25/1,000 tests
PKI-LR1003/ PKI-LR1003-01	MicroFast™ Yeast & Mold Count Plate	25/100 tests
PKI-LR1005/ PKI-LR1005-01	MicroFast™ Staphylococcus aureus Count Plate	25/100 tests
PKI-LR1005Q/ PKI-LR1005Q-01	MicroFast™ Staphylococcus aureus Confirmation Plate	25/100 tests
PKI-LR1007/ PKI-LR1007-01	MicroFast™ Coliform & E.coli Count Plate	25/1,000 tests
PKI-LR1011/ PKI-LR1011-01	MicroFast™ Enterobacteriaceae Count Plate	25/1,000 tests

Small Footprint

Reduced storage requirements over media, petri dishes etc.

Gridded Counting Area with Ring

No requirement for plastic spreaders, improving ease of use and speed.

Easier manual counting compared to culture media methods.

Ready to Use

Flexible solution for labs with fluctuating sample numbers.

Contact your PerkinElmer sales representative or dealer for more information.

PerkinElmer, Inc.
940 Winter Street
Waltham, MA 02451 USA
P: (800) 762-4000 or
(+1) 203-925-4602
www.perkinelmer.com



For a complete listing of our global offices, visit www.perkinelmer.com/ContactUs

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