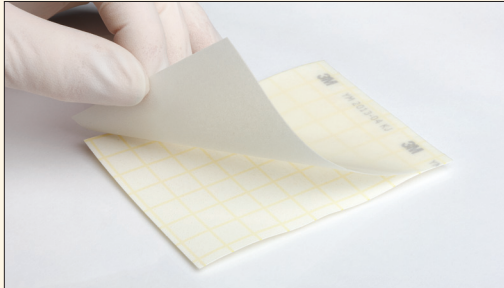


# 3M Food Safety Competitive Product Comparison

## 3M™ Petrifilm™ Yeast and Mold Count Plates (Manufactured by 3M)



### Incubation Time

**Product Literature:** 3–5 days  
**Instructions for Use:** 3–5 days  
**AOAC Validation:** 5 days

### Incubation Temperature

20–25°C (68–77°F)

### Description and Use

The 3M Petrifilm YM Plate is a sample-ready culture medium system which contains nutrients supplemented with antibiotics, a cold-water-soluble gelling agent, and an indicator that facilitates yeast and mold enumeration.

- 3M Petrifilm YM Plate components are decontaminated
- 3M Petrifilm YM Plates are manufactured at an ISO 9001 Certified site

### AOAC

AOAC® *Official Methods of Analysis*™ 997.02  
 • Collaborative Study (18 labs): J AOAC Int 80, 806(1997)

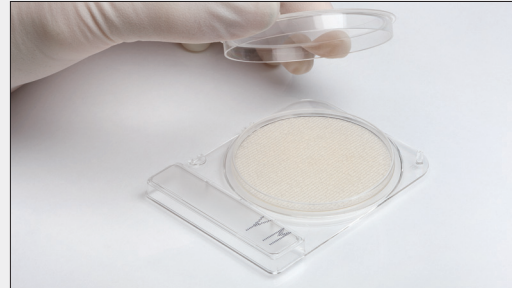
### AOAC Matrices

All foods

### Country Approvals

**Canada:** Health Protection Branch Method MFHPB-32  
**Columbia:** IMVIMA Certificate No. 2006021773  
**El Salvador:** Ministry of Public Health & Social Attendance  
 Central Control Laboratory of Food and Water  
**Mexico:** NMX-F-717-COFOCA LEC-2006  
**New Zealand:** Food Safety Authority Approved Methods List  
**Poland:** Polish Normalisation Committee – Commission No. 35  
 July 1, 1999

## Compact Dry YM (Manufactured by Nissui Pharmaceutical Co., Ltd.)



**Product Literature:** 3–7 days  
**Instructions for Use:** 7 days  
**AOAC Validation:** 7 days

25–30°C (77–86°F)

With Compact Dry YM, yeast and mold can be differentiated by color development.

- The medium contains the chromogenic enzyme substrate X-Phos which turns blue with many yeasts
- Molds form fluffy colonies with a characteristic color

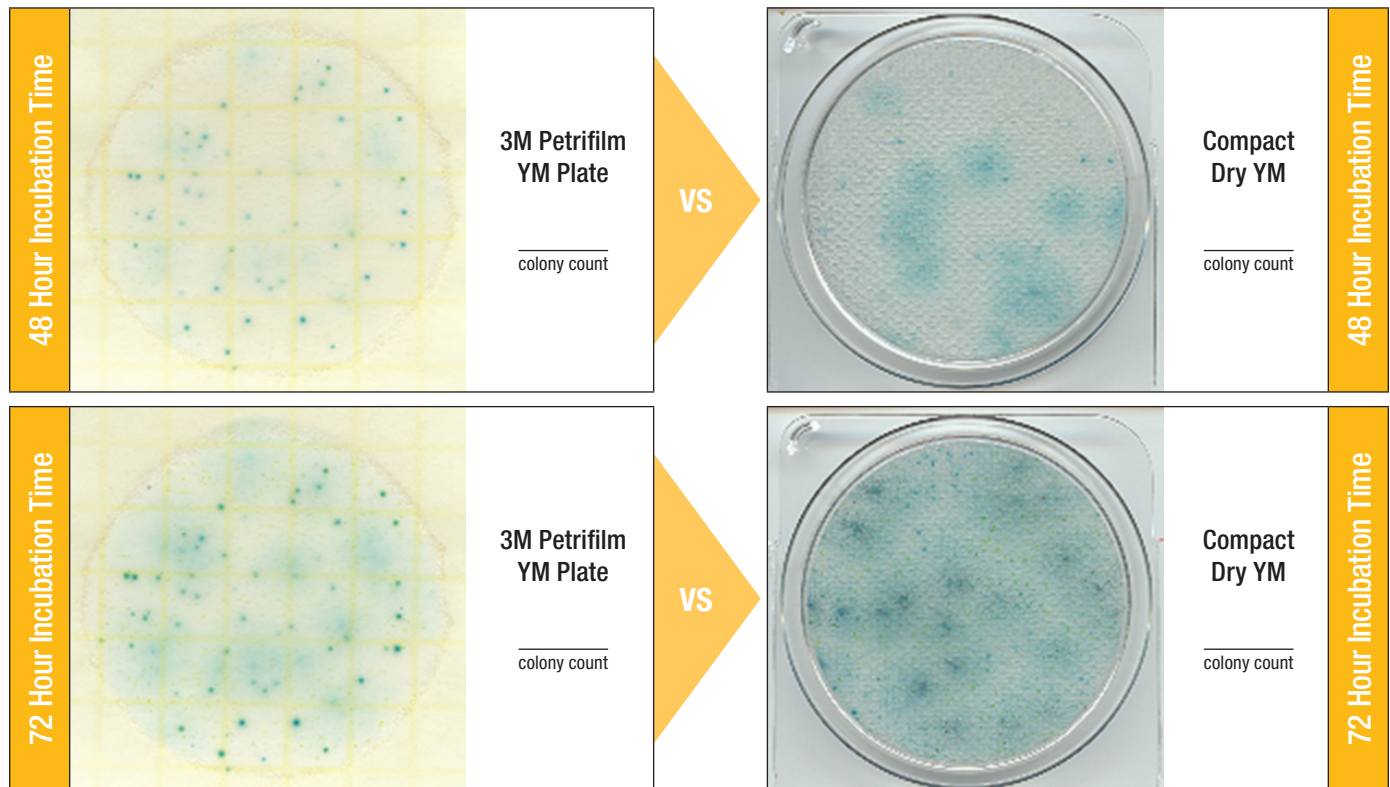
AOAC® *Performance Tested Method*™ Cert# 100401  
 • Single Study: The Japan Food Research Laboratories

Fresh apples, frozen blueberries, orange juice, dried banana chips and fresh grapefruit

n/a



## Actual Results for Breaded Meat Cutlet Sample — Compare for Yourself



## Comparison of Space Utilization

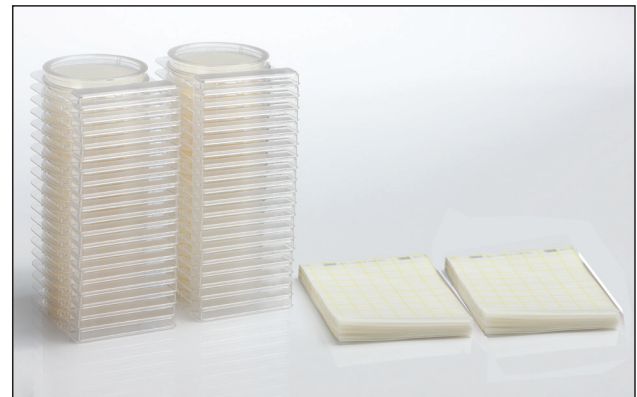
### Storage Space

120 Nissui Compact Dry YM Plates vs. 200 3M Petrifilm YM Plates



### Work and Incubator Space

40 Nissui Compact Dry YM Plates vs. 40 3M Petrifilm YM Plates



91 of Food Processing's "Top 100 Food and Beverage Companies for 2012" use 3M™ Petrifilm™ Plates

Data Source: [foodprocessing.com/top100](http://foodprocessing.com/top100)



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