## 3M™ Petrifilm™ Yeast and Mold Count Plates

(Manufactured by 3M)

<table>
<thead>
<tr>
<th>Incubation Time</th>
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</thead>
<tbody>
<tr>
<td><strong>Product Literature:</strong> 3 – 5 days</td>
</tr>
<tr>
<td><strong>Instructions for Use:</strong> 3 – 5 days</td>
</tr>
<tr>
<td><strong>AOAC Validation:</strong> 5 days</td>
</tr>
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<table>
<thead>
<tr>
<th>Incubation Temperature</th>
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<tbody>
<tr>
<td>20 – 25°C (68 – 77°F)</td>
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**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: INVIMA 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.)

<table>
<thead>
<tr>
<th>Incubation Time</th>
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<tbody>
<tr>
<td><strong>Product Literature:</strong> 3 – 7 days</td>
</tr>
<tr>
<td><strong>Instructions for Use:</strong> 7 days</td>
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<td><strong>AOAC Validation:</strong> 7 days</td>
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<th>Incubation Temperature</th>
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<tr>
<td>25 – 30°C (77 – 86°F)</td>
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**Description and Use**

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**

- AOAC® Performance Tested Method™ Cert# 100401

**AOAC Matrices**

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

**Country Approvals**

n/a
Actual Results for Breaded Meat Cutlet Sample — Compare for Yourself

48 Hour Incubation Time

3M Petrifilm YM Plate vs. Compact Dry YM

72 Hour Incubation Time

3M Petrifilm YM Plate vs. Compact Dry YM

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