

## How to use Anaerobic Standard Plate Count Agar Media

MicroBio Corporation

### 1. General Description

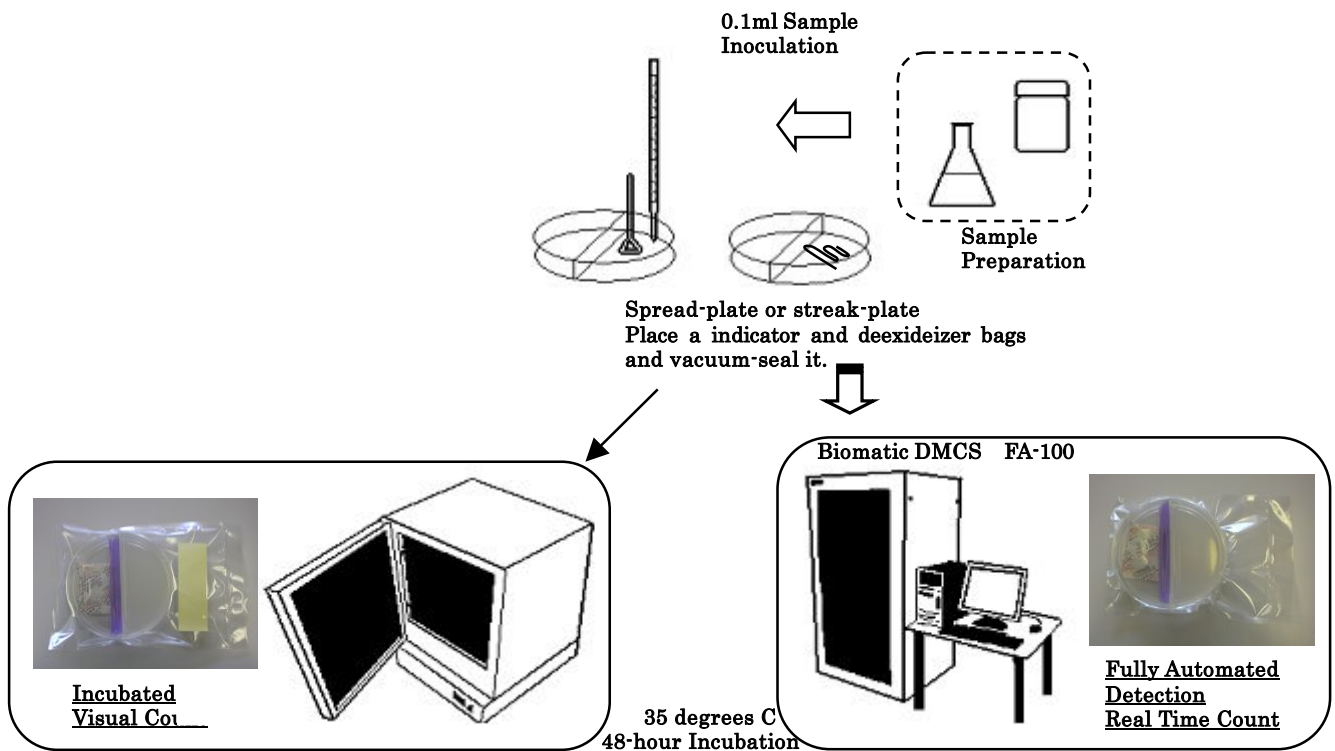
This prepared plated agar media is separated into two sections and TGC agar media is filled into one side of it. The other vacant side is for accommodating an anaerobic indicator and four small deoxidizer bags. When an indicator and deoxidizer bags are placed into the vacant side and the plate is vacuum-sealed, anaerobic incubation and detection can be performed either by manually or by Biomatic DMCS automatically. When filter method is performed, it can accommodate two 25mm filters in one plate.

### 2. Detection Procedure (spread-plate for **0.1ml** sample or streak-plate)

2-1 Prepare a spread-plate and/or streak-plate inoculation of each test culture. Place an anaerobic indicator and four deoxidizer bags into the plate and vacuum-seal it. (When the atmosphere becomes anaerobic, the color of indicator turns into pink from blue.)

2-2 Incubate the plates at 35 degrees C temperature for 48 hours.

When Biomatic DMCS is used, fully automated rapid detection and precise colony counts can be achieved.

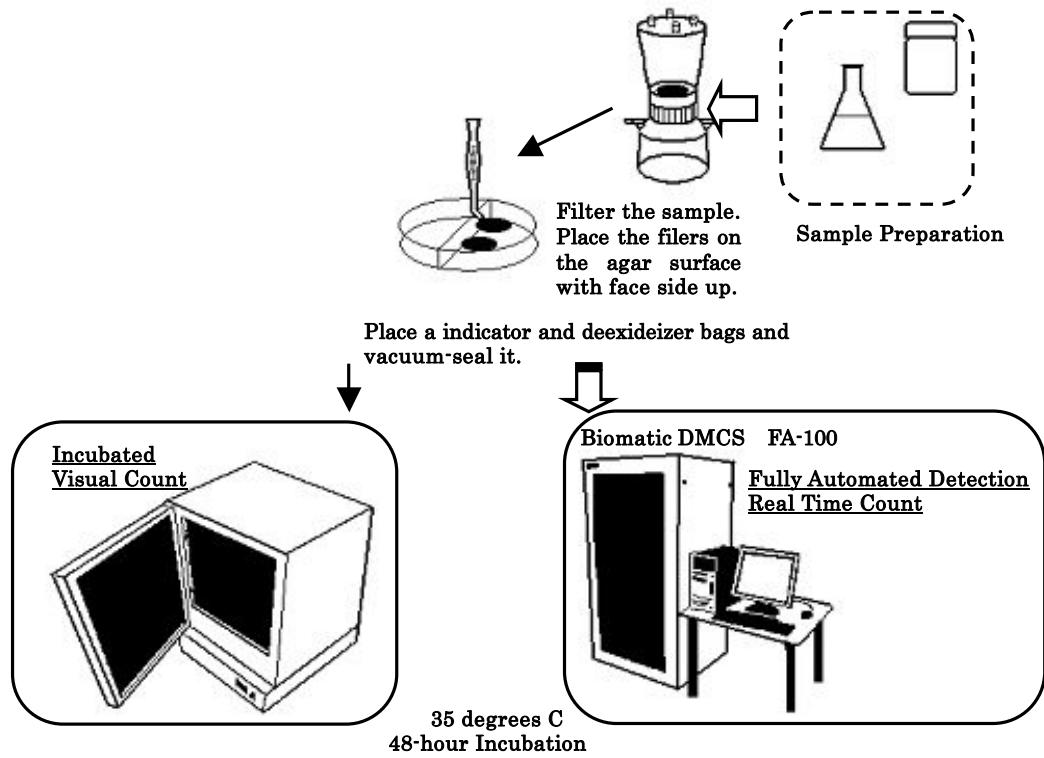


3. Detection Procedure (Filter Method, using two 25mm filters)

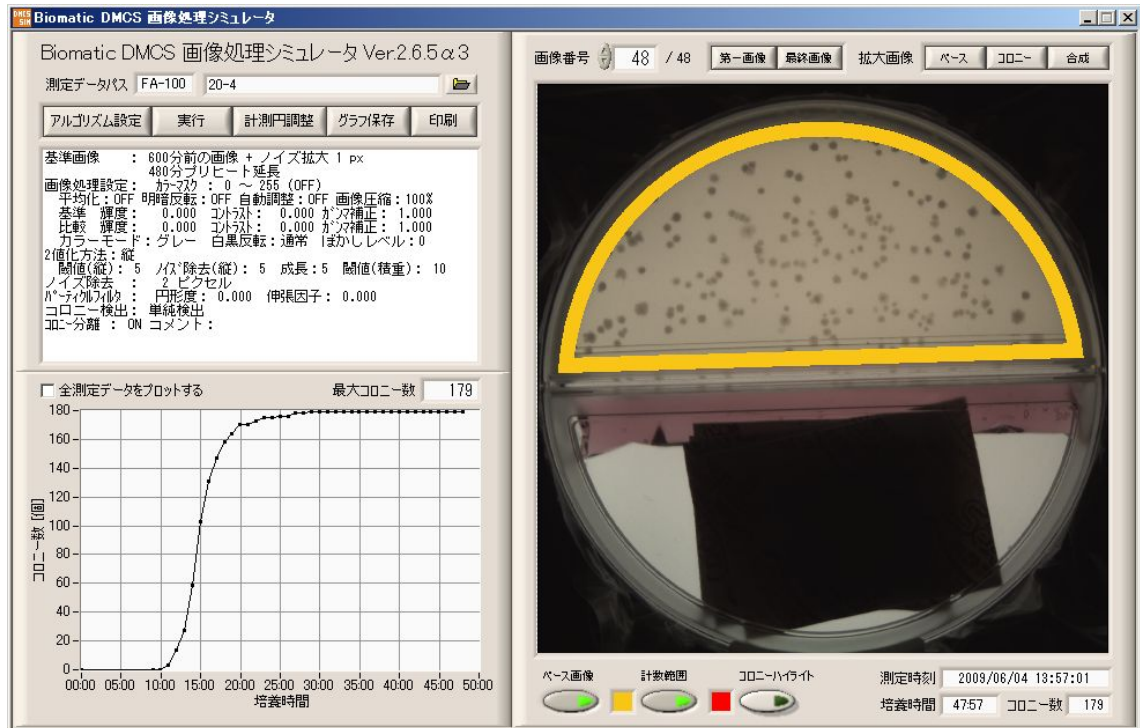
2-1 Filter the sample, using two 25mm filters. Place filters on the agar surface with its face side up. Then, place an anaerobic indicator and four deoxidizer bags into the plate and vacuum-seal it. (When the atmosphere becomes anaerobic, the color of indicator turns into pink from blue.)

2-2 Incubate the plates at 35 degrees C temperature for 48 hours.

When Biomatic DMCS is used, fully automated rapid detection and precise colony counts can be achieved.



5. Detection Examples (Biomatic DMCS FA-100 Data) 35 degrees C Incubation  
 5-1 0.1ml Sample Spread-Plate: *Clostridium perfringens* (ATCC13124) on I-PPM02 Media



5-2 Filter Method (25mm): *Clostridium perfringens* (ATCC13124) on I-PPM02 Media  
 \*Example: One filter used.

