

Media Identification

Each Biopaddle® is marked with an indented line at the end of the paddle.



Printed on vial: XXX/XXX | BBE YY-MM-DD yymmdd

Agar1/Agar2 | Best Before End(expiration) Date Manufacture Batch Date

Storage

Store tightly sealed (unopened) in a cool dry location at room temp (18-25°C, 65-77°F). Temperature fluctuation may result in condensation setting at the bottom of the vial, although this does not affect culture properties, it could reduce the shelf life or cause the agar to separate from the plastic paddle support. See BBE stamped on vial.

Avoid sudden temperature changes. Shield from direct sunlight. Do not store in a refrigerator (-44°F/10°C) or at temperatures exceeding (80°F/27°C). Refrigeration may result in water condensation. Do not allow to freeze. Discard if paddle agar appears oxidized (darkened from expected color) or if contaminants appear. Expiration applies for medium in its intact container when stored as directed.

Sampling

Always practice sterile technique and use gloves.

Raw Plant Material Screening Protocol - Collect 5 grams per pound of plant material in 5 individual one gram random increment. The combined sample must be thoroughly homogenized (well mixed). Take 10g of plant sample and suspend in 90 ml of solution provided in the kit. Mix the sample thoroughly for 1-2 minutes. Sample should be plated in duplicate. Follow the liquid sampling protocol below.

Liquids - twist and remove the paddle from the vial without touching agar surfaces. Dip the paddle directly into the sample. Maintain a contact for at least 30 seconds. Alternatively, pour sample into the vial to printed horizontal line and insert the paddle in the vial. Allow a contact time of at least 30 seconds. Excess sample should be gently shaken from paddle. Replace paddle in vial and incubate.

For in vitro diagnostic use only. These products should be used by adequately trained personnel with knowledge of microbiological techniques in the laboratory.

Incubation

Incubation of Paddle Growth	Incubation Temperature	Examine at:
Yeast / Mold	25 to 30°C	48 hours up to 120 hours (5 days)
Yeast / Mold	Room Temperature	Up to 7 days
Total Coliform / Bacteria	35 ± 2°C	24 to 48 hours
Total Coliform / Bacteria	Room Temperature	Up to 5 days

Note: Incubation of bacteria after 48 hours may produce confluent growth making evaluation of the paddles more difficult.

Colony Measuring

Each paddle has molded media attachment points embed in the agar that are 4mm in length. This feature provides a useful guidepost to evaluate near by colony size.



Enumeration

Bacteria(Colony Forming Units) CFU/mL



10^3 cfu/mL	(1,000)	(Light)
10^4 cfu/mL	(10,000)	
10^5 cfu/mL	(100,000)	(Moderate)
10^6 cfu/mL	(1,000,000)	
10^7 cfu/mL	(10,000,000)	(Heavy)

Note: Estimate of lower count is possible but difficult to justify.

Disposal

Make a 1:9 dilution of household bleach. Twist and remove paddle from the vial. Fill vial with 40mL diluted bleach solution to fill line. Allow 15 minutes contact time. Discard bleach solution. Replace paddle in vial and dispose.

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