

**1.13676. Microbiology****Anaerocult® P**

**INTENDED USE** For generating an anaerobic environment in a single Petri dish to permit cultivation of Obligate and facultative anaerobes.

**PRINCIPLE** Anaerocult® P contains components which chemically bind oxygen quickly and completely, creating an Oxygen-free (anaerobic) environment and a CO<sub>2</sub> atmosphere.

**CONTENTS** 25 Anaerocult® P sachets  
25 special incubation bags

**COMPOSITION OF SACHET**

REACTANTS	Component	% by weight
	Kieselguhr .....	<60%
	Iron powder .....	<30%
	Citric acid .....	<20%
	Sodium carbonate .....	<10%

**MATERIALS PROVIDED**

25 Anaerocult® P sachets  
25 special incubation bags

**MATERIALS REQUIRED BUT NOT PROVIDED**

Anaerotest® strips (Cat. No. 1.13675.)  
3 mL pipet  
Deionized water  
Adhesive tape  
Anaeroclip® (Cat. No. 1.14255.) or heat sealer

**QUALITY CONTROL** Anaerobiosis is indicated by the color change in the Anaerotest® strip from blue to white within four hours.\* Stock anaerobic organisms may also be used.

• Anaerobic conditions are achieved in about one hour. This is well before the 3-4 hours it takes for the indicator strip to decolorize.

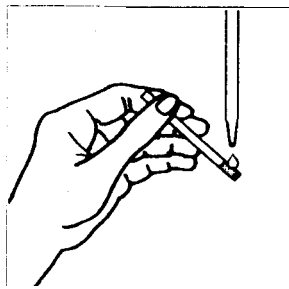
**STABILITY** See expiration date.

**STORAGE** Seal tightly and protect from moisture (seal the plastic bag well after removing each Anaerocult® P sachet).  
Recommended storage temperature is +15 - 25°C.

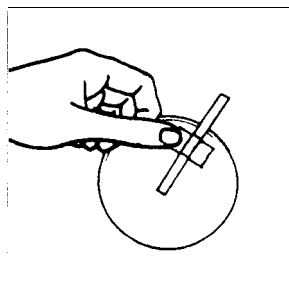


**EM SCIENCE**  
A Division of EM Industries, Inc.

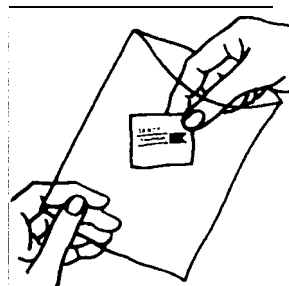
480 S. Democrat Road  
Gibbstown, NJ 08027  
1-800-222-0342

**PROCEDURE**

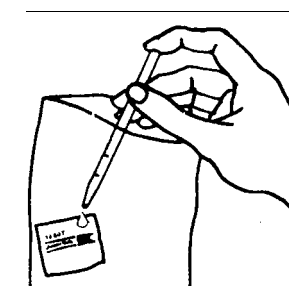
1  
Moisten the reaction zone of an Anaerotest® Strips (Cat. No. 1.13675.) with water. (Fig. 1)



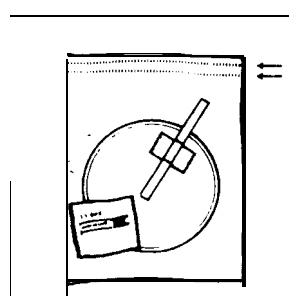
2  
Stick the Anaerotest® strip onto the lid of the inoculated Petri dish (the reaction zone must point downwards and hang freely in the open space). (Fig. 2)



3  
Place an Anaerocult® P sachet into a special incubation bag. (Fig. 3)



4  
Moisten the Anaerocult® P sachet with 3.0 mL of water. (Fig. 4)



5  
Place the Petri dish with the attached Anaerotest® strip immediately into the special incubation bag and close with Anaeroclip® (Cat. No. 1.14255.) or seal with an ordinary plastic heat sealer (it is advisable to seal with a double seal). (Fig. 5)  
The bag must be sealed closed approximately 2 cm from the opening.

® Anaerocult, Anaerotest, and Anaeroclip are registered trademarks of E. Merck, Darmstadt, Germany

Issued: SEP9:  
L13676