



Atmosphere Generation Systems

Versatile, convenient, complete atmospheric gas generating systems for microbiology laboratories

Mitsubishi™ AnaeroPack™ System and AnaeroPouch™ System

Products	
Anaerobic cultivation	AnaeroPack™-Anaero System
	AnaeroPouch™-Anaero System
Microaerophilic cultivation	AnaeroPack™-MicroAero System (for 2.5 L, for 7 L)
	AnaeroPouch™-MicroAero System (for Pouch-Bag, for 0.4 L)
CO ₂ (capnophilic) cultivation	AnaeroPack™-CO ₂ System
	AnaeroPouch™-CO ₂ System
Medium preservation	AnaeroPouch™-KeepSystem

Anaerobic cultivation

For the environment of less than 0.1% of oxygen, 15% or more of CO₂

AnaeroPack-Anaero AnaeroPouch™-Anaero

AnaeroPack-Anaero and AnaeroPouch-Anaero Systems will support the growth of anaerobes such as *Clostridium* spp., *Prevotella* spp. and *Porphyromonas* species.

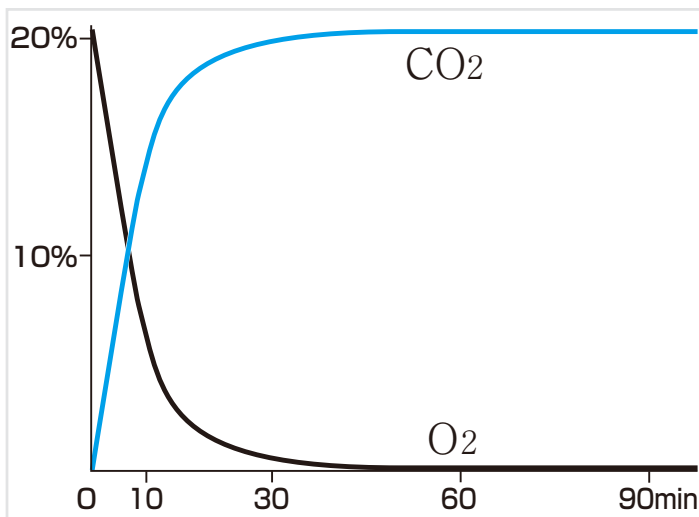


AnaeroPack™-Anaero



AnaeroPouch™-Anaero

Atmospheric profile by AnaeroPack™-Anaero



Cultivation Results

Prevotella intermedia



Anaerobic chamber
1.9×10⁸ CFU/mL



AnaeroPack System
1.9×10⁸ CFU/mL



Product of M company
1.4×10⁸ CFU/mL

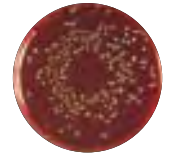
Fusobacterium necrophorum



Anaerobic chamber
6.0×10⁷ CFU/mL



AnaeroPack System
4.5×10⁷ CFU/mL



Product of M company
4.5×10⁷ CFU/mL

Fingoldia magna



Anaerobic chamber
1.4×10⁸ CFU/mL

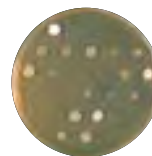


AnaeroPack System
9.5×10⁷ CFU/mL

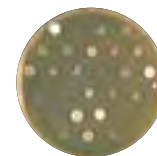


Product of M company
9.8×10⁷ CFU/mL

OFLX 0.05 µg/mL



Anaerobic chamber



AnaeroPack System



Product of M company

CO₂ concentration of anaerobic chamber is 10%. (Photos: Clinical Laboratory of Kanto Teishin Hospital, BMI Inc.)

Simple solution for preservation of pre-reduced media

AnaeroPouch-Keep is not a sachet to create an atmosphere but keeps pre-reduced media ready to use until the media's expiration date.

AnaeroPouch-Keep

For up to 6 x 90 mm plates.

- For the preservation with Pouch-Bag
- Expel the air before sealing with a clip.
- Cannot be used with Rectangular Jars



Pouch-Bag

Note (Common to Anaero, MicroAero and CO₂): By tearing open the foil pouch, activation will occur immediately on contact with air. Seal the Rectangular Jar or Pouch immediately. The time between opening the sachet and sealing should not exceed one minute (for Rectangular Jars) or 30 seconds (for Pouches).

Microaerophilic cultivation

For the environment of O₂ 6-12% and CO₂ 5-8%

AnaeroPack™-MicroAero AnaeroPouch-MicroAero (for Pouch-Bag/for Rectangular Jar 0.4 L)

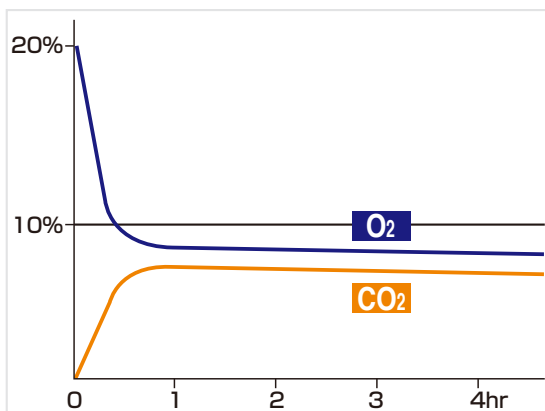
AnaeroPack-MicroAero and AnaeroPouch-MicroAero Systems will support the growth of *Campylobacter* and *Helicobacter*.

Amount of generated CO₂ will be slightly less than that of absolved O₂, so the jar lids might be tighter to open because of the lower pressure.



AnaeroPack-MicroAero

Atmospheric profile by AnaeroPack-MicroAero



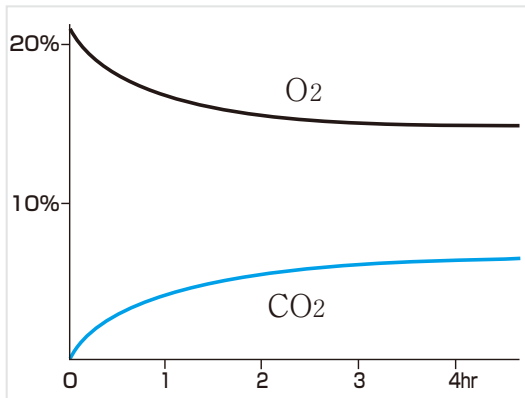
CO₂ (capnophilic) cultivation

For the cultivation at approximately 5% of CO₂

AnaeroPack-CO₂ AnaeroPouch-CO₂

Will support the growth of *Hemophilus* spp. and *Neisseria* species.

Atmospheric profile by AnaeroPack™-CO₂



AnaeroPack™-CO₂



AnaeroPouch™-CO₂



W-Zip Pouch

For Pouch-Bag and Rectangular Jar 0.4 L.

Anaero-Indicator

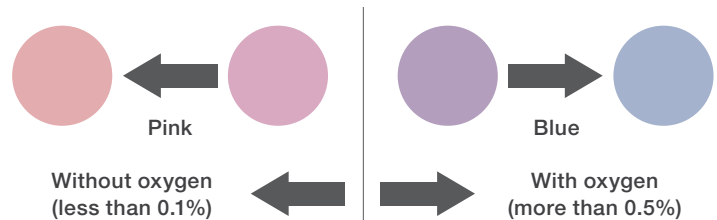
Single-use disposable means of detecting an anaerobic atmosphere.

Presence of oxygen can be checked by color change

- There are pinholes in the film to allow the passage of oxygen. Pouches are ready to use. There is no need to remove the contents.
- Single use only.
- Expiry of product is mentioned on each foil pouch or box.



Individually packed



Rectangular Jars

Stackable boxes maximize bench and incubator space. They also decrease waste and your lab's carbon footprint.

- **Both round and square culture plates can be held**
- **Stackable**
- **Maximize the incubation space**

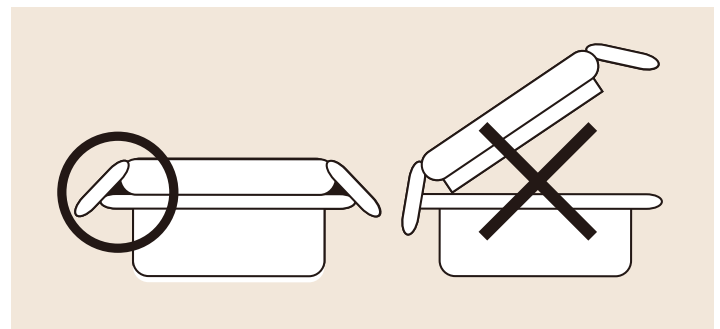
- Only AnaeroPack can be used for the Rectangular Jar. Other companies' gas generators with different reaction mechanism cannot be used.
- Sometimes it may require power to open the lid because of the lower pressure by the solution of generated CO₂ in medium. In that case, take one of the corners of the lid and pull with fingers. Do not pull the latches to open the lid.
- Cannot be used for thermophilic cultivation.
- Not autoclavable.
- Latches can be broken unless the jar is placed squarely over the jar. To close the lid, close the opposing latches simultaneously. Do not try to close the latches one at a time (See figure).



Rectangular Jar 2.5L



Rectangular Jar 7L



A. Compartment for sachet(s)


B. Compartment for Anaero-Indicator (anaerobes) or water to moisten (microaerophiles)

Lids and silicon seals are available as parts.

Ordering information

Product	Pack size	Product code
Jars		
Mitsubishi 0.4 L Rectangular Jar	1 Jar	R684004
Mitsubishi 2.5 L Rectangular Jar	1 Jar	R685025
Mitsubishi 7.0 L Rectangular Jar	1 Jar	R685070
Jar Sachets		
AnaeroPack Anaero ¹	20 Sachets	R681001
AnaeroPack MicroAero	20 Sachets	R681005
AnaeroPack CO ₂	20 Sachets	R681007
Jar Accessories		
Mitsubishi 0.4/2.5 L Rectangular Jar Lid	1 Lid	R685028
Mitsubishi 7.0 L Rectangular Jar Lid	1 Lid	R685078
Mitsubishi 0.4/2.5 L Rectangular Jar Seal	1 Seal	R685029
Mitsubishi 7.0 L Rectangular Jar Seal	1 Seal	R685079
Pouches		
AnaeroPouch Bag, Double Zip	20 Pouches	R686010
AnaeroPouch Bag ²	20 Pouches	R686001
AnaeroPouch Clips	10 Clips	R686005
Pouch Sachets		
AnaeroPouch Anaero ¹	20 Sachets	R682001
AnaeroPouch MicroAero	20 Sachets	R682005
AnaeroPouch CO ₂	20 Sachets	R682007
AnaeroPouch Keep	20 Sachets	R682015
Indicators & Catalysts		
RT Anaero-Indicator	25 Indicators	R684002

1. AnaeroPack Anaero (R681001) and AnaeroPouch Anaero (R682001) Sachets require the RT Anaero-Indicator (R684002).
2. AnaeroPouch Bags are not self-sealing and thus the clips (R686005) and these pouches (R686001) need to be ordered together.

 For more information, contact your local Thermo Fisher Scientific Microbiology representative or visit thermofisher.com/ags