AnaeroPack® System
AnaeroPouch® System
The Complete Atmospheric Gas Generating System for Microbiology

<table>
<thead>
<tr>
<th>Anaerobic cultivation</th>
<th>CO₂ (capnophilic) cultivation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AnaeroPack®-Anaero</td>
<td>AnaeroPack®-CO₂</td>
</tr>
<tr>
<td>AnaeroPouch®-Anaero</td>
<td>AnaeroPouch®-CO₂</td>
</tr>
<tr>
<td>Microaerophilic cultivation</td>
<td></td>
</tr>
<tr>
<td>AnaeroPack®-MicroAero</td>
<td></td>
</tr>
<tr>
<td>(for 2.5L, for 7L)</td>
<td></td>
</tr>
<tr>
<td>AnaeroPouch®-MicroAero</td>
<td></td>
</tr>
<tr>
<td>(for Pouch-Bag, for 0.4L)</td>
<td></td>
</tr>
</tbody>
</table>

DISPOSAL

BluePink
Without oxygen (less than 0.1%)
With oxygen (more than 0.5%)
Individually packed

MITSUBISHI GAS CHEMICAL COMPANY, INC.

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**Anaerobic cultivation**

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

**AnaeroPack®-Anaero**

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

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**Medium preservation for Pre-Reduced Media**

**AnaeroPouch®-Keep**

For up to 6 x 90mm plates.

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### Cultivation Results

<table>
<thead>
<tr>
<th>Culture</th>
<th>Anaerobic chamber</th>
<th>AnaeroPack® System</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Prevotella intermedia</em></td>
<td>6 x 10^5 CFU/mL</td>
<td>6 x 10^5 CFU/mL</td>
</tr>
<tr>
<td><em>Finegoldia magna</em></td>
<td>4 x 10^5 CFU/mL</td>
<td>4 x 10^5 CFU/mL</td>
</tr>
<tr>
<td><em>Fusobacterium necrophorum</em></td>
<td>2 x 10^5 CFU/mL</td>
<td>2 x 10^5 CFU/mL</td>
</tr>
</tbody>
</table>

### Note (Common to Anaero, MicroAero and CO₂)

- By tearing open the aluminum sachets, activation will occur immediately on contact with air. Seal the Rect. Jar or Pouch immediately. The time between opening the sachet and sealing should not exceed one minute (for Rect. Jars) or 30 seconds (for Pouches).
- AnaeroPack®-Anaero 3.5L is also available.

### Example of cultivation using pouch

- **Pouch-Bag**
- **W-Zip Pouch**
Microaerophilic cultivation

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

AnaeroPack®-MicroAero / AnaeroPack®-MicroAero-7L
AnaeroPouch®-MicroAero (for Pouch-Bag / for Rect. Jar 0.4L)

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

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

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.
Rectangular Jars

Both round and square culture plates can be held. Stackable. You can maximize the incubation space.

- Only AnaeroPack can be used for the Rect. 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).

<table>
<thead>
<tr>
<th>Product</th>
<th>Inner dimension (mm)</th>
<th>Volume</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rect. Jar 2.5L</td>
<td>W135×L197×H95</td>
<td>2.5 liter</td>
<td>12 petri dishes or 6 rectangular dishes</td>
</tr>
<tr>
<td>Rect. Jar 7L</td>
<td>W213×L280×H112</td>
<td>7 liter</td>
<td>42 petri dishes or 28 rectangular dishes</td>
</tr>
<tr>
<td>Rect. Jar 0.4L</td>
<td>W135×L197×H18</td>
<td>0.4 liter</td>
<td>2 petri dishes or 1 rectangular plate</td>
</tr>
</tbody>
</table>

- Heat and cold resistance of the materials of jars: maximum 140°C and minimum -30°C
- These products are outside of the certified scope of the ISO9001, as they are not manufactured by MGC.

Anaero-Indicator

Presence of oxygen can be checked by its color change

**SHOULD BE REFRIGERATED**

- There are pinholes on the film. Its color changes by the come-and-go of O₂ through the pinholes. Use as it is and do not take pills form the film.
- Though the color change is reversible, its sensitivity will go down if used repeatedly. Consider as single-use.

*The RT Anaero-Indicator, which needs no refrigeration is also available.

- Expiry of product is mentioned on each aluminum sachets or retail boxes.

**DISPOSAL**

To discard unused products, open the aluminum sachet(s) and spread them on lab bench for about 30 minutes by not piling them. Discard after they become cool. Used products may retain small amount of reactivity. Discard after they become cool. Do not autoclave them when they are pyretic. Aluminum sachet consists of plastic film which contains aluminum. Paper sachet consists of plastic film which contains paper. Granule contains activated carbon. Obey the instructions of your local authority, if any.

- Design and specification of the products mentioned on this brochure are subject to change without notice.

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