



# Anaerocult® A

For the production of an anaerobic environment in the anaerobic jar (content 2.5 litres) for the cultivation of obligatory and facultative anaerobes.

## Principle

Microbiological method

## Mode of Action

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

## Typical Composition

- Kieselguhr
- Iron powder
- Citric Acid
- Sodium Carbonate

The chemical mixture inside the sachet contains free crystalline silica. In case of damage to the sachet do not inhale dust. Repeated inhalations can cause severe harm to health. Contact with eyes may cause irritations.

## Experimental Procedure

1. Moisten the Anaerotest® strip with a drop of water and fasten to the tab of the plate basket. The reaction zone of the Anaerotest® strip should hang freely in the air space. Place the plate basket in the anaerobic jar\*.
2. Slowly pour 35 mL of water evenly over the Anaerocult® A special paper over a period of 15-20 seconds, holding the Anaerocult® A as horizontal as possible and pouring with the measuring cylinder paper.
3. Place the moist Anaerocult® A in the anaerobic jar without delay with the printed side of the Anaerocult® A facing the plates.
4. Tightly seal the anaerobic jar\*\* immediately.

\* If the petridish rack of another producer is used, please don't place Anaerocult® A directly above an overhanging piece of metal in the anaerobic jar in order to avoid damage of Anaerocult® A.

\*\* Anaerobiosis is indicated by the colour change of the Anaerotest® strip from blue to white after about 4 hours.

## Storage

- Seal tightly and protect from moisture (seal the plastic bag well after removing Anaerocult® A)
- Recommended storage temperature: 15 °C to 25 °C.

## Ordering Information

Product	Ordering No.	Pack contents
Anaerocult® A	1.32381.0001	10 Anaerocult® A
Anaerotest®	1.32371.0001	50 test stripes
Petri-dish rack	1.07040.0001	For up to 12 petri dishes
Anaerobic jar	1.13681.0001	2,5 L-volume

## To place an order or receive technical assistance

Order/Customer Service:  
**SigmaAldrich.com/order**

Technical Service:  
**SigmaAldrich.com/techservice**

**SigmaAldrich.com/anaerocult**