



## Anaerocult® C

Anaerocult® C is used to generate an oxygen depleted and CO<sub>2</sub>-enriched atmosphere in a 2.5 liter anaerobe jar for culturing *Campylobacter* species and other microorganisms with fastidious requirements (e.g. *Neisseria* species, *Capnocytophaga* species, *Eikenella corrodens*, *Haemophilus* species). Concentrations of about 8-10% by volume CO<sub>2</sub> and 5-7% by volume oxygen are attained.

### Principle

Microbiological method

### Mode of Action

Following addition of 6 mL of water a defined quantity of oxygen is chemically bound to the finely distributed iron powder while at the same time CO<sub>2</sub> is evolved from sodium carbonate.

### 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. Place the inoculated petridishes into the anaerobic jar (use dishes with spacers).
2. Gently shake an Anaerocult® C bag on the flat of the hand and evenly add 6 mL of water to the printed side.
3. Immediately place the Anaerocult® C bag vertically in the anaerobic jar.
4. Close the jar tightly and place in the incubator.

### Storage

- Seal tightly and protect from moisture.
- Recommended storage temperature: 15 °C to 25 °C.

### Ordering Information

Product	Ordering No.	Pack contents
Anaerocult® C	1.32383.0001	25 Anaerocult® C
Anaerotest®	1.32371.0001	50 strips
Anaerobic jar	1.13681.0001	2,5 L-volume
Petri-dish rack	1.07040.0001	For up to 12 petri dishes

### To place an order or receive technical assistance

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

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

**SigmaAldrich.com/anaerocult**