



# Atmosphere Generation System

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## ANAEROJAR

**Code:** AG0025

### Description

The 2.5 litre Oxoid AnaeroJar is an important addition to the Oxoid range of Atmosphere Generation Products. The jar is designed for use with the 2.5 litre AnaeroGen/CampyGen sachet and will hold up to 12 plates.

Important features include:

- No catalyst required.
- Polycarbonate base which is secured to the lid by 4 clips. These clips are designed to allow venting in the unlikely event of a positive pressure build-up occurring i.e. by allowing lid to lift and reseal to maintain correct conditions.
- A carrying handle for the safe transportation of the jar from bench to incubator.
- Vacuum Relief Screw to overcome any vacuum which may occasionally occur.

### Operating Instructions

#### Note

##### Before use check:

- a. 'O' ring is correctly seated
- b. The vacuum relief screw is in the closed position.

- 1 Place inoculated plates into the plate carrier. Disposable plastic Petri dishes should be of the vented variety to aid gas transfer between interior and exterior of the dishes.
- 2 When using the anaerobic system (i.e. AN0025), prepare the Oxoid Anaerobic Indicator (BR0055) by cutting and exposing 10mm of the fabric strip, insert into the smaller, upper clip on the dish carrier.
- 3 Lower the carrier into the polycarbonate base.
- 4 Tear open an AnaeroGen/CampyGen/CO<sub>2</sub>Gen sachet at the tear-nick indicated, and remove the paper sachet from within.
- 5 Immediately place the paper sachet in the appropriate clip in the plate carrier within the jar (see Technical insert).
- 6 Having inserted the sachet into the carrier immediately place the lid on the jar, making sure the 'O' ring is in place. Secure the clips with fingers shown in figure<sup>1</sup>. Repeat this process with each of the four clips to properly secure the lid.
- 7 Use carrying handle to transport jar to the incubator.
- 8 The anaerobic indicator will change from pink to white giving a visual indication of anaerobiosis.
- 9 Remove jar after the appropriate incubation period and open lid by carefully depressing the clips to release the jar lid from the base. Excessive downward pressure on the clips should be avoided.
- 10 Occasionally, a slight vacuum may occur after anaerobiosis, producing a negative pressure and resulting in resistance to the removal of the lid (after release of the clips). This is overcome by using an appropriate object such as a small coin to turn the vacuum relief screw anticlockwise allowing an inflow of air. It is important, however, to ensure the valve is resealed, by turning clockwise, prior to further use.

#### Precautions

**1 THE JAR IS DESIGNED TO BE USED WITH ANAEROGEN/CAMPYGEN/CO<sub>2</sub>GEN AND MUST NOT BE USED WITH GAS GENERATING SYSTEMS THAT REQUIRE THE USE OF CATALYST (BR38), WHICH, WITHOUT A CATALYST WOULD RESULT IN A POTENTIALLY EXPLOSIVE H<sub>2</sub>/O<sub>2</sub> GAS MIXTURE.**

2 The jar should not be autoclaved.

#### Cleaning and Disinfection

##### Note

Disposable gloves should be worn throughout the following operations. The internal surface should be cleaned and disinfected with a compatible, proprietary disinfectant made up to manufacturer's recommended instructions. Disinfectants such as sodium hypochlorite, phenolic compounds, methyl alcohol and chloroform should be avoided as they will damage the surface of the jar. It is imperative that the jar is properly disinfected if it is necessary to return it to Oxoid.

#### Routine Maintenance and Checking

- 1 Lid and outer surface can be cleaned and dried with a soft tissue.
- 2 Regularly check integrity of the 'O' ring. Replace if there are any signs of deterioration such as splitting. Do not allow grease/organic solvents to come into contact.
- 3 Ensure that the jar is dry before use. Store in a suitable environment as excess moisture may quench reaction. The appearance of condensation during use is normal.

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