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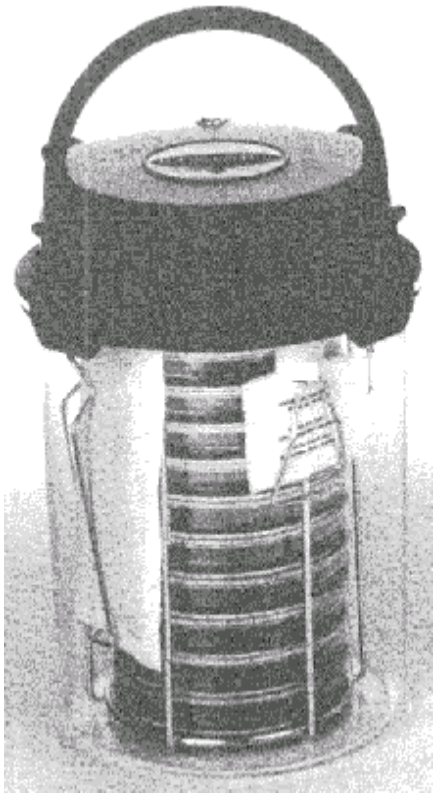
Product Information

28029 Anaerobic jar



Description

This 2.5 litre Anaerobic jar is designed for use with anaerob atmosphere generation bags (e g product no 68061). This jar 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.
- Separate plate carriers available (product no 68886)

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 anaerob atmosphere generation bags (product no 68061) prepare the Anaerob Indicator Test (product no 59886) 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 anaerob atmosphere generation bag (product no 68061) 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.
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. Repeat this process with each of the four clips to properly secure the lid.
7. Use carrying handle situated on the lid 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
10. to release the jar lid from the base. Excessive downward pressure on the clips should be avoided.
11. Occasionally a slight vacuum may occur after anaerobiosis producing a negative pressure, resulting in resistance to the removal of the lid (after release of the clips). This is overcome by placing an appropriate object such as a small coin into the screw and turning anticlockwise allowing inlet 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 ANAEROB ATMOSPHERE GENERATION BAGS (PRODUCT NO 68061) AND MUST NOT BE USED WITH GAS GENERATING SYSTEMS REQUIRING THE USE OF CATALYST WHICH WITHOUT CATALYST WOULD RESULT IN A POTENTIALLY EXPLOSIVE H2/O2 GAS MIXTURE.**
2. The jar should not be autoclaved.

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Cleaning and Disinfection
Disposable gloves should be worn throughout the following operations. 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.

Routine Maintenance and Checking
Lid and outer surface can be cleaned and dried with a soft tissue.
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.
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.