



Speedy Breedy Culture Vessels

Speedy Breedy grows bacteria fast and in optimal growth conditions. Speedy Breedy culture vessels are:

- Sealed and sterile (gamma irradiated).
- Pre-populated with selective media, providing a highly specific nutrient environment for targeted microbial growth.
- Enclosed culture chamber for safe use in any environment.
- Equipped with a patented mixing process.
- Able to vary rotor speed as required.
- Equipped with a non-permeable, flexible diaphragm to monitor pressure changes.
- Designed to test a sample of 50ml.
- Fitted with a 6mm sample port as well as a self sealing syringe septum.
- Disposable and single-use only.
- Suitable for pasteurization** in Speedy Breedy at 65°C for safe disposal as per local regulations.



ISO9001 manufactured

- Two vessels can be tested in a single Speedy Breedy unit at the same time, running separate protocols, with temperature set independently.
- Culture Vessels are sold in Packs of 8 vessels.

Speedy Breedy can test for Aerobes, Anaerobes and Facultative Anaerobes

Extensive range of tests available

► For Specific Bacteria

Bacteria

E.coli, Coliforms
Pseudomonas aeruginosa
Salmonella
Listeria
Staphylococcus
Toxigenic Vibrio cholerae
Clostridium perfringens
 Lactic Acid
Enterococci
E.coli, Coliforms (Highly Selective)
Campylobacter

Medium

Coliform and *E.coli* Selective Medium
Pseudomonas aeruginosa Selective Medium
Salmonella Selective Medium
Listeria Selective Medium
Staphylococcus Selective Medium
Toxigenic Vibrio cholerae Selective Medium
Clostridium perfringens Selective Medium
 Lactic Acid Bacteria Selective Medium
 M-Enterococcus Selective Medium
 Coliform and *E.coli* Selective Medium Plus
Campylobacter Selective Medium

Prod. Code

BAC022
 BAC023
 BAC028
 BAC029
 BAC030
 BAC031
 BAC032
 BAC033
 BAC034
 BAC035
 BAC036

* Efficient mixing of the medium means that changes in gas composition are transferred to the headspace in vessel with any associated pressure change.
 ** Except spore-forming bacteria or extreme thermophiles, which will include the Broad Spectrum vessel which need to be autoclaved or incinerated.



► For Sterility and Hygiene

Sterility and Hygiene	Broad Spectrum Media	BAC021
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► For Yeasts

All Yeasts	All Yeast Selective Medium	BAC027
Wild Yeasts	Wild Yeast Selective Medium	BAC026

► For User-Specific Requirements

Empty Vessel (Aerobic)	Medium selected by user	BAC020
Empty Vessel (Anaerobic)	Medium selected by user	BAC037

Unfilled vessels for customers to fill with their own medium. As with the other vessels, these will be sterilised but unfilled and can be used by customers to fill with their own medium. The medium must be sterilised (typically by autoclaving) and aseptically transferred into the vessel after it has cooled to below 60°C.

The Vessels

Types of samples

Wide range of liquids, including opaque liquids, powders, macerated solids, transport medium and cut swab tips combined with sterile water, can be tested in Speedy Breedy. The total working volume of the test vessel is 50ml. For non-liquid samples, the volume of the sample together with the added sterile water should total 50ml.

Filling a vessel

Samples are introduced via the sample port in the culture vessel. For liquid samples we recommend sterile, disposable 50ml syringes are used. For non-liquid samples, the volume of the sample together with the added sterile water should total 50ml.

Disposal of vessel

Health & Safety – Hazard assessments should be made prior to all microbiology work including waste disposal.

Disposal methods:

Pasteurization within Speedy Breedy (3 hours at 65°C) – not suitable for possible spore-forming bacterial vessels such Broad Spectrum Media, *Clostridium perfringens* or thermophilic bacteria containing vessels. Pasteurized vessels of non-spore forming bacteria may be disposed of as per local regulations.

Autoclave at 121°C, 15 psi for 15 minutes. Autoclaved vessels may be disposed of as per local regulations. This sterilization method is recommended for possible spore-forming bacterial cultures.

Incineration/ Hazardous Waste Disposal. This method is recommended for possible thermophilic bacteria containing vessels.

Vessels used as mini-fermenters

Speedy Breedy can be used as a rapid, portable, self-contained and optimized mini-fermentation system, requiring minimal preparation with no intermittent steps or ongoing operator involvement. The single use disposable vessels can be safely disposed of after use as per local regulations. Fermenters require significant monitoring during runs as well as specialized cleaning after use by trained operators; using Speedy Breedy simplifies the fermentation process so that fermentations can be run by any member of staff and the monitoring of pressure and temperature is automatic.



ISO9001 manufactured Speedy Breedy units.
ISO9001 manufactured Culture vessels.
CE Marked - Speedy Breedy units comply with the low voltage directive.