



Speedy Breedy - Lab Memo 40

Conducting Speedy Breedy Tests using Swabs

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Required Steps

The following steps should be completed successively without stopping or diverting to other activities part way through. The steps describe testing a single sample.

1. Ensure that the SD memory card provided is in place at the rear of your Speedy Breedy instrument and turn on Speedy Breedy.
2. Take an unused, sterile Speedy Breedy Culture Vessel containing TSB culture medium.
3. Label the Culture Vessel clearly to associate the vessel with the sample being tested.
4. Using good aseptic techniques, open the sampling port on the Culture Vessel and transfer 50ml of sterile water into the Culture Vessel, resealing the port once complete.
5. Use a standard sterile microbiology swab to carefully swab the area to be tested.
6. Using good aseptic techniques, open the sampling port on the Culture Vessel and using sterile scissors remove the tip of the swab taken for Speedy Breedy testing and allow it to fall through the sampling port and in to the Culture Vessel.
7. Open the chamber lid for a free vessel chamber in your Speedy Breedy instrument and insert the Culture Vessel into the vessel chamber. Close the chamber lid ensuring it clicks into position.
8. Ensure that the Speedy Breedy display screen shows the 'START TEST' option by using the up and down arrow buttons on the instrument. Press the 'accept', tick button.
9. Ensure that the Speedy Breedy display screen shows the '24 HR GENERAL' option by using the up and down arrow buttons on the instrument. Press the 'accept', tick button.
10. The Speedy Breedy display screen will prompt for the vessel chamber being used. Using the up and down arrow buttons on the instrument select either the LEFT or RIGHT option depending on which chamber the Culture Vessel has been inserted into. Once selected, press the 'accept', tick button.
11. The Speedy Breedy display screen will give a final prompt to check that you are ready to begin testing. Press the 'accept', tick button. Testing will commence.
12. The 24 HR GENERAL protocol, in combination with the TSB culture medium provides an enrichment environment for microbial growth. The protocol monitors microbial activity over a 24 hour period. No further activity is required until the 24 hour test period is complete.

Materials & Methods

The following materials were used for the experiment:

- Speedy Breedy unit

Speedy Breedy from BACTEST, St John's Innovation Centre, Cowley Road, Cambridge, CB4 0WS, UK
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- Speedy Breedy TSB culture vessels
- Sterile dH2O
- Sterile scissors
- Sterile microbiology swabs