

## **Instruction for use of BAT-Agar** **Item-Numbers 5012 (bottles) and 4012 (tubes)**

In general it has to be made sure that all equipment is sterile and that the standard rules of microbiological work are followed.

### **Content**

Item 5012:

2 bottles of 125ml component A (broth), 2 bottles of 125ml component B (Agar),  
50 membrane filters Millipore HAWG050S6

Item 4012:

12 tubes of 10ml component A (broth), 12 tubes of 10ml component B (Agar),  
24 membrane filters Millipore HAWG050S6

### **Completion of the BAT-medium and pouring the agar-plates**

Pre-warm the bottle or the glass tube with the component A (broth) in a water bath of 50 – 70 °C. In parallel heat the bottle or the glass tube with the component B (agar) in another water bath at 95 – 100 °C until the agar is completely melted. Then place this bottle or tube also in the water bath with 50 – 70 °C in order to temper the agar.

Note: During this heating process the caps have to be loosen, in order to avoid overpressure.

Take both bottles or tubes out of the water bath. Pure the content of the bottle or tube with component A into the one with component B and mix thoroughly. In case of air bubbles, allow the mixture to rest for a short time and let the bubbles ascent. Don't let the temperature drop below 47 °C to avoid the agar becoming solid. Directly pure the plates. For one agar plate of 60 mm in diameter approximately 10 ml BAT agar are necessary.

Note: Don't let the ready mixture of liquid BAT nutrient medium stand at 50 °C or higher temperatures, as this affects the gelling efficiency of the agar, due to the low pH value. For the same reason do not remelt solidified BAT mixture.

### **Storage**

The poured agar-plates can be stored dark and dry for 7 days.

### **Disposal**

After finishing the analysis the Petri dish and membrane filter should be autoclaved (121 °C for 15 minutes) in order to avoid any possible contaminations. After sterilization the remnant can be disposed in the domestic waste.

Note: National regulations concerning infectious materials must be observed closely.

Please contact us in case of any questions. We will be happy to assist you.

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