



## Serial Dilution Instructions (TGB) FOR DETECTION OF GENERAL ANAEROBIC BACTERIA

- Product Description:

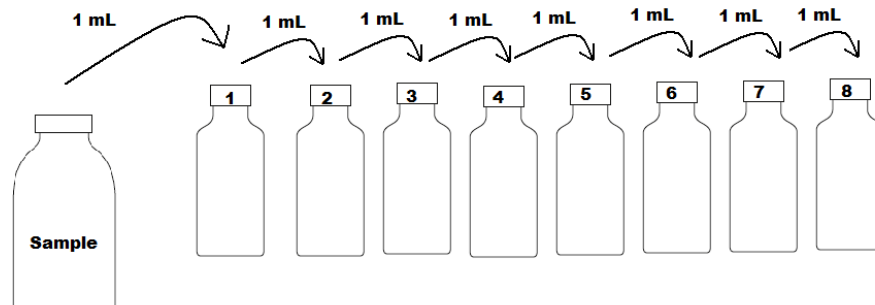
1. N.A.C.E. standard (TM0194-2004) Thioglycollate Bacterial Broth Media.
2. **Physical Characteristics:** Clear with a slightly yellow color. This media has a higher viscosity so it will be thicker than our other media.
3. **Chemistry:** Prepared with nutrients that facilitate growth of a wide range of anaerobic bacteria.
4. **Detection:** Used for the enumeration of total General Anaerobic Bacteria(GAB).

- Collecting a Sample:

1. Collect the sample in such a manner as to preclude contamination from external sources.
2. Time, date, temperature, and appearance of the sample should be recorded.

- Preparation:

1. Arrange selected media vials into "Dilution Series".
2. The selected media should approximate the conditions (Temp., TDS, etc.) of the sample water being tested to avoid the "shock" effect on the microbes.



For additional information, please contact us at:  
[sales@biosolns.com](mailto:sales@biosolns.com) or (281) 531-5319  
10516 Kipp Way Dr. Ste. B  
Houston, TX. 77099



- Sterilization:

1. Wipe the rubber caps of the media vials with sterile alcohol pads.

- Inoculation:

1. Using a sterile disposable syringe, withdraw 1 mL of the sample and inject it into bottle #1 and discard syringe. Mix contents thoroughly by vigorously agitating the vial. Some bubbles may appear; this is normal.
2. With a new sterile syringe, withdraw 1 mL of solution from bottle #1 and inject it into bottle #2 and discard syringe. Mix contents thoroughly by vigorously agitating the vial.
3. Repeat this process for all the remaining dilution vials (#3 - #6).
4. Incubate the vials at the temperature at which the original sample was collected ( $\pm 2^{\circ}\text{C}$ ). N.A.C.E. standards call for 28-day incubation for SRB media and 14 days for APB media.
5. Record the number of positive vials.

- Reading:

1. **Indicator for (GAB):** GAB can be identified in the vials by visually identifying turbidity or biomass.
2. Record the number of positive vials.

- Disposal:

### How should we dispose of Biotechnology Solutions' microbiological media waste?

All of BTS bacterial growth media products are considered to be non-hazardous materials. Media vials may be discarded according to your local, state and federal regulations. To find out more about these regulations please refer to the environmental, health and safety staff at your facility.

For additional information, please contact us at:  
[sales@biosolns.com](mailto:sales@biosolns.com) or (281) 531-5319  
10516 Kipp Way Dr. Ste. B  
Houston, TX. 77099