



Cole-Parmer Instrument Company

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Directions for 5466-00 B.O.D. Capsules

1. Add the contents of one B.O.D. seed capsule to one half liter of dilution water prepared in accordance with Standard Methods. Avoid loss of material. Discard the capsule. Not all components of the product will dissolve.
2. Allow to rehydrate for 60 minutes with continuous aeration.
3. For the seed control, use 25 mls of B.O.D. seed solution in 300 ml BOD bottle. The seed correction factor can then be calculated as follows:
 - seed correction factor = $0.08 \times (\text{DO } 1 - \text{DO } 2)$
 - where DO 1 = Dissolved Oxygen of seed control before incubation, mg/l
 - where DO 2 = Dissolved Oxygen of seed control after incubation, mg/l
4. The B.O.D. seed solution can be drawn off and used at the rate of 2.0 ml per 300 ml of test bottle volume.

Fresh capsule solution should be prepared each working day. Maintain the prepared seed for that day at 20 degrees C and aerate continuously.

Used as directed, B.O.D. seed is non-toxic and completely safe to handle.

Wash hands after use. Store in a cool, dry area.

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NOTE: When withdrawing seed solution, allow to settle for 5 minutes and draw off supernatant. For seed control you may need to use less than 25 mls B.O.D. seed solution and adjust calculation as follows:

10 ml $0.200 \times (\text{DO } 1 - \text{DO } 2)$

15 ml $0.130 \times (\text{DO } 1 - \text{DO } 2)$

25 ml $0.080 \times (\text{DO } 1 - \text{DO } 2)$