

## POLYSEED®

“The Original” BOD Seed Inoculum for Use in:

**Biochemical Oxygen Demand (BOD<sub>5</sub>) test procedures of wastewater, effluent, and polluted water, as conducted according to *Standard Methods for the Examination of Water and Wastewater***

**POLYSEED®** is a blend of specialized microbial cultures in an easy-to-use capsule, designed to provide a uniform standard for the degradation of both industrial and municipal waste in BOD<sub>5</sub> analysis.

To measure the BOD of a water sample, the sample must contain a sufficient population of microorganisms capable of oxidizing the biodegradable organic matter present. Sources that may contain a satisfactory microbial population are domestic wastewater, unchlorinated effluents from biological waste treatment plants, and surface waters receiving wastewater discharge. Examples of waste stream that generally do not contain a sufficient microbial population are untreated industrial wastes, disinfected wastes, high temperature wastes, and wastes with extreme pH values. The naturally-occurring microbial populations of these waste streams must be augmented, or seeded, with a viable microbiological population to ensure sufficient oxidation for an accurate measurement.

The preferred seed source for microbially deficient wastes is the non-disinfected effluent from the biological treatment system processing the waste. When this is unavailable, other possible seed sources include effluent from a biological treatment system processing a similar waste stream (often equally difficult to obtain) or the supernatant from settled domestic wastewater (unlikely to contain the specific microbial population necessary to oxidize the waste in question).

An attractive solution to the myriad of problems associated with BOD seeding is the use of **POLYSEED®**. **POLYSEED®** supplies an immediate source of specialized microorganisms. The advantages of readily availability, low cost and consistently good results soon persuades users that **POLYSEED®** is the only seed source necessary for all their BOD determination.

### **POLYSEED®**

- Has been EPA tested, time proven
- Has been marketed since 1981
- Is free of nitrifying microorganisms and contains no pathogens

For more information contact:

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