

Never Wash a BOD Bottle Again!

Disposable BOD Bottles Are Laboratory Tested and EPA Approved.

Disposable BOD bottles from Environmental Express reduce labor and provide quality results in any environmental laboratory. Lightweight, unbreakable and recyclable, disposable bottles offer safety as well as convenience. Best of all, using a fresh, clean bottle for each analysis provides more accurate results in your lab. Use these bottles straight from the box without pre-cleaning.

Unique Oxygen Barrier Properties

Ordinary plastic bottles are not suitable for BOD analysis because oxygen migrates through the plastic into the sample. Using a patented process, the inner walls of these BOD bottles are sealed with amorphous carbon. Although the coating is only 1000 angstroms thick, it provides a superior barrier to prevent oxygen from diffusing into or out of your sample. Coated bottles consistently provide uniform blanks, high standard recoveries and quality test data.

Laboratory Tested and Approved

An independent study compared disposable plastic bottles to traditional glass BOD bottles, and reached these conclusions:

- **"Improved Blanks:** Plastic BOD bottles do improve blank results..."
- **"Improved Results:** Plastic BOD bottles might decrease bias for all samples..."
- **"Improved Precision:** Plastic BOD bottles result in better within-batch precision ..."

To review the "Disposable Plastic vs. Traditional Glass BOD₅/CBOD₅ Bottles" comparative study go to our website www.environmentalexpress.com/pdf/bodstudy.pdf.

Lightweight and Recyclable

While these bottles are 300mL by volume and use existing glass or acrylic stoppers, they are slightly smaller in size than standard glass bottles. The trimmer size allows you to store more bottles in your existing BOD incubator. In addition, disposable bottles weigh only 28 grams each, reducing the weight by 85%. These bottles are made of PET, one of the most easily recyclable plastics.

Description	Quantity Pricing	Catalog #
300mL Disposable BOD Bottles	—1-4 cases of 117	D1001
	—5-9 cases of 117	D1001
	—10-19 cases of 117	D1001
	—20-44 cases of 117	D1001
	—45+ cases of 117	D1001
Acrylic Bottle Stoppers		D1025
BOD Overcaps		D1050



Bottles are individually numbered to facilitate sample identification.

Economical and Unbreakable

The use of disposable BOD bottles significantly reduces labor costs while eliminating excessive use of water, energy and detergents. Disposable bottles also reduce the risk of injury from broken glass. For as little as 50 cents per bottle, your laboratory can enjoy the safety, convenience and savings of disposable BOD bottles. Order a free trial pack to try in your laboratory.

Acrylic Bottle Stoppers and BOD Overcaps

While your existing glass or plastic stoppers will work perfectly with our disposable BOD bottles, we offer acrylic stoppers as an economical alternative.

The use of a cap over the mouth of a BOD bottle is recommended by **Standard Methods** to prevent evaporation. Our overcaps are made of polyethylene and fit snugly against the rim and shoulder of our disposable bottles.



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Additional Products for BOD



Single-use Glucose Glutamic Acid For BOD

Try convenient, single-use Glucose Glutamic Acid vials for 300mL BOD Bottles.

- No Pipetting
- No Dilution Factor
- No Contamination

Each vial contains 6mL of the APHA specified concentration of Glucose Glutamic Acid (150mg/L of Glucose, 150mg/L of Glutamic Acid).

To use, shake the vial thoroughly, remove the seal covering the cap, unscrew the cap, pour contents, and rinse emptied vial at least two times with BOD water into the check standard solution. This product has a 24 month shelf life and is supplied with MSDS.

Single-use GGA Standard, case of 24 Vials
Catalog # D1243 **Pack of 24**

Other standards and reagents for BOD analysis are available from Environmental Express. Visit our web site at www.environmentalexpress.com for more information.



GGA Concentrate Ampules for use with 60mL BOD bottles require no pipets.

Stable, certified single-use ampules are an easy way to make GGA test preparations. Potential for GGA degradation is eliminated and with quantitative transfer, no dilution errors can occur. **Call our customer service department to order a free trial pack.**

GGA Standard, 1.2mL Ampules
Catalog # D1243C **Pack of 24**

Get consistent BOD results with Polyseed.

Polyseed is a blend of special 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 analysis. Use of Polyseed provides fresh, consistent seed on a continuous basis.

Polyseed Capsules
Catalog # D1250



50 Capsules

Polyseed NX for CBOD testing inhibits nitrifying bacteria.

Polyseed NX is a special blend of microbial cultures with a chemical additive that inhibits nitrogenous oxygen demand when performing CBOD.

Polyseed NX Capsules, 50 Capsules
Catalog # D1255

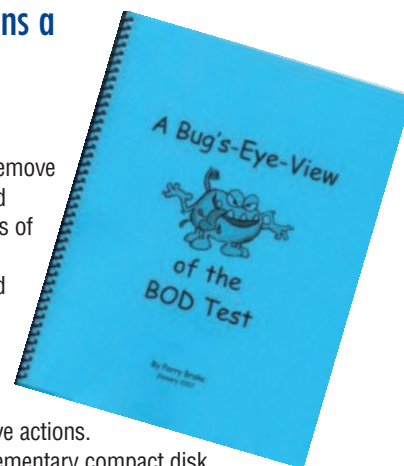
50 Capsules

A Bug's-Eye-View of the BOD Test by Perry Brake contains a troubleshooting guide for analysts.

The goal of this book is to remove much of the mystery associated with the BOD test. The 54 pages of text contain explanations of confusing passages in Standard Methods 5210B. A troubleshooting guide focuses on common problems, suggests causes, and recommends potential corrective actions. Each book comes with a supplementary compact disk.

Catalog # D1020

BOD Book



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Additional Products for BOD

NEW!



Environmental Express now offers 300mL glass BOD bottles with stoppers.

These bottles have been designed for sampling and for incubation of aqueous samples for biochemical oxygen demand (BOD) analysis. For reference Method 5210-B: 5-Day BOD Test (*Standard Methods for Examination of Water and Wastewater*). The bottles conform to ASTM E438, Type I, Class B, borosilicate glass.

The design incorporates a flared mouth used to form a water seal which prevents the drawing of air into the bottle during incubation. The bottle shoulder radius has been improved to provide an interior shape which sweeps entrained air out of the stopper opening. Stopper design uses a conical extension to displace excess sample. Bottles are sold in cases of 24.



300mL BOD Bottles with Glass Stoppers

Catalog # D1003

Case of 24 Bottles

Automated systems may require a robotic style stopper. Acrylic stoppers (D1025, see page 5) are a perfect fit for our glass bottles.

Acrylic Robotic Stoppers

Catalog # D1025

Pack of 25

Save time and simplify BOD analysis with the YSI 5100 Advanced Benchtop DO Meter.

An RS-232 interface allows upload to spreadsheets. Multitasking is enhanced with the auto-stabilization capability, which enables you to predetermine a stable reading and be alerted to that condition.

- Stores 100 data sets
- Large liquid crystal display and keyboard profile
- Onboard software for OUR/SOUR measurement
- RS-232 computer interface
- Built in barometer for auto-calibration
- Barcode compatible

Benchtop DO Meter for BOD

Catalog # D051004



YSI Stirring BOD Probe connects directly to the 5100 Meter and eliminates the need for stir bars.

Self-stirring probe has a classic design for true reliability and features:

- Easily replaceable screw-on cap membranes
- Tapered probe body fits into a standard 300mL BOD bottle (use with our disposable or glass BOD bottles)
- Connects directly to the 5100 meter

Self-stirring BOD Probe

Catalog # D050102

Replacement Membrane (screw-cap w/solution)

Catalog # D059880 Case of 6



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