



BRETT-SD BROTH™

Brettanomyces/Dekkera Selective & Differential Broth

Product # Brett SD Broth-4 (4/Pack)
Brett SD Broth-32 (32/Case)**Intended Use**

For the detection of *Dekkera/Brettanomyces* in juice or wine samples - this media is highly selective has a new proprietary spectrum of selection optimized for *Brettanomyces* in wine samples. The differentially media promotes relatively fast growth of this slow-growing organism. It is enriched with growth factors and specific nutrients including carbon sources specific for Brett; the media inhibits bacteria, other yeast & mold. *Brettanomyces* tends to settle to the bottom of barrels/tanks and bottom samples should (or mixed wine samples) are recommended.

Procedure

- Apply** 100 uL of wine directly to broth using a sterile (or clean) pipette -- OR
Concentrate wine by filtering through a 0.45-µm pore filtration membrane, gently fold the filter with sterile forceps and submerge the filter in the broth. Avoid trapping air bubbles on the membrane.
- Seal tube** by replacing cap, & Incubate at 25 °C–30 °C (or at room temperature) for several days.
- Examine** tubes after 1–3 days, recording color change and phenolic odor. Examine over 12 day incubation period, recording results.
- Interpretation - Consider positive** if:
 - A phenolic medicinal or leathery odor is detected when opening the tube, generally in 24 hours.
Suggestion: Compare odor to an unused tube, and to the Lebrun Brettanomyces Sensory Set™ (sold separately).
- Color of medium changes from blue to yellow within 1–12 days

Brettanomyces at high levels produce volatile phenols that taint the wine.

Precautions

- Minimize the time that the lid is off the tube. Work in a draft-free environment.
- Avoid directly touching the medium
- Avoid cross contamination in the winery - when the test has been completed applied either 10% bleach or 70% alcohol to the tube prior to disposal.

Suggested Action for positive results:

- Immediately filter or otherwise sanitize the wine.
- Retest after remediation to assure that it was effective and that recontamination has not taken place.

Storage

Store refrigerated between 2–8°C.

Related Products from Unitech Scientific LLC

- Easy Blue™** Brett SD Agar with easy cell spreading
- Brett SD™ Agar** Selective & differential for Brett
- Brett Sensory Set™** 4-phenolics for sensory evaluation
- Easy Sniff™** For fast, Easy Sniff identification of *Brettanomyces*. Dual Media, Pro-Phenolic System
- Brett Experience™** Brett high & low positive control wines & 3 Easy Blue tests
- EZ Micro Starter Combo** Easy Wine Microbiology for: Brett, Yeast/Mold, & Bacteria. Contains 4-each of the following agar plates: Easy Blue, Easy WL-N, Easy WL-D; plus 1 Brett Experience (3 plates + Brett Samples), plus 15 sets of beads and droppers plus decontamination solution.
- BioSart 100 Monitors** (inquire about additional Unitech Scientific 0.45u membrane products) for concentrating microbes by filtration
- Z-Brett 24** - 3-hour immunochemistry Brett Detection
- Uni-Barrel Pipette**-Curved barrel racking tube with pipette bulb for controlled collecting (and releasing) of 15-20mL bottom samples.
- EZ WL-N** Easy to Count Yeast, mold & bacteria includes dropper, sterile beads & Agar Plates
- WL-N Broth** Easy to Detect Yeast, mold & bacteria includes dropper, sterile beads & Broth
- WL-N Agar Plates:** Detect and Count Yeast, mold & bacteria
- EZ WL-D** Easy to Count bacteria includes dropper, sterile beads & Agar Plates
- WL-D Agar Plates:** Detect and Count bacteria
- Centrifuge** e.g. Microfuge Unitech *PN: LX-100*, \$180) 1.5mL centrifuge tube capability

Manufactured by Lebrun Lab, Irvine CA

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