

Charm® Bacillus stearothermophilus Disc Assay (BSDA)



Bacillus stearothermophilus Disc Assay (BSDA)

BSDA AT A GLANCE

- ▶ Objective and quantitative by zone size measurement. No questionable color changes.
- ▶ Detects penicillin G, ampicillin, amoxicillin, and cephalosporin close to Safe Level/Tolerance.
- ▶ More resistant to natural inhibitors than other microbial inhibition assays..
- ▶ Certified 100×10^6 spores per tablet.
- ▶ No colony counting/spore titre.
- ▶ No glass ampules.
- ▶ Stable up to a year at room-temperature.
- ▶ No autoclaving of PMI agar.
- ▶ Beta-lactamase tablets for confirmation.
- ▶ Includes 5 ppb Penicillin G standard made from USP Reference Standard

ORDER CODES

- ▶ 1000 tests: BSDA-1000K
- ▶ 3000 tests: BSDA-3000K

† Appendix N of the Pasteurized Milk Ordinance (PMO)

‡Section 6 of the Pasteurized Milk Ordinance (PMO)

Charm provides the only Bacillus stearothermophilus Disc Assay officially approved for bulk tank milk[†] and producer samples[‡].

BSDA INTRODUCTION

The Charm Bacillus stearothermophilus Disc Assay (BSDA) is a microbial inhibition test designed to detect penicillin G, ampicillin, amoxicillin, and cephalosporin at or below the established Safe Levels/Tolerances. This method has been performance tested and validated by an independent laboratory. The test is designed for use by dairy, veterinary, laboratory, field, and regulatory personnel.

FINISHED MILK

The Charm BSDA has been evaluated by the FDA and has been found to be acceptable for testing amoxicillin, ampicillin, cephalosporin, and penicillin G at or below the Safe Level/Tolerance in pasteurized, homogenized white milk (0% fortified to 3.5% fat).

