BD MAX™ GBS
Streamlining Group B *Streptococcus* Testing

Real-Time PCR for Antenatal Detection of GBS Colonization

GBS disease is a leading infectious cause of morbidity and mortality among newborns in the United States.[1]

More than 60% of term infants with GBS disease were born to women who had tested negative for GBS before delivery.[2]

Sensitivity of conventional culture can be as low as 42% and turn around time as long as 3 to 4 days.[3]

Real-time PCR provides rapid identification of GBS. Lim Broth enrichment followed by PCR provides the highest level of sensitivity for detection of GBS.[4,5]

Center for Disease Control guidelines (expected in 2010) will include an option for molecular testing from overnight enrichment broth when performing antepartum screening.[6]

Assay Performance*	
Sensitivity	**Specificity**
95.0%	96.7%

*BD MAX™ GBS Assay package insert. Performance compared to enriched culture.

1. MMWR August 15, 2002/51(RR11); 1-22
2. Van Dyke et al., N Engl J Med 2009;360:2626-36
3. Montague et al., J Clin Micro 2008;46:3470-3472
4. Robinson et al., Abstract C-099, ASM General Meeting 2008
5. Schicchitano and Bourbeau, J Clin Micro 2009; 47: 3021-3023
6. Carey, Roberta B. 2010 "Group B Streptococci: Chains and Changes; New Guidelines for the Prevention of Early Onset GBS", South Central Association for Clinical Microbiology 2010, Louisville, KY

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Helping all people live healthy lives

BD MAX™ GBS

The Only Fully-Automated Real-Time PCR Method for the Detection of GBS from Enriched Culture

BD MAX™ SYSTEM ADVANTAGES

- Automates processing of lysis through PCR and detection with no operator interventions
- Walkaway convenience for 1-4 samples in just over an hour and up to 24 samples in approximately two and a half hours
- Simple workflow allows for reduced labor, which can result in reduced operating costs
- Hands-on time of 2 minutes per sample
- Built-in process control for each sample

BD MAX™ GBS ASSAY ADVANTAGES

- Simplifies detection of GBS colonization in antepartum pregnant women
- Rapidly identifies Group B *Streptococcus* after an overnight Lim broth enrichment versus up to 4 days for culture
- Addresses concerns about subjective visual interpretation of culture by providing rapid, objective results

BD MAX™ GBS Assay is the only fully automated PCR method with a Lim Broth claim.

As new CDC guidelines (expected in 2010) become available, which include molecular testing as an alternative to culture for the detection of GBS, the BD MAX™ GBS Assay may serve as an efficient, sensitive, and specific option for laboratories wanting to utilize a molecular method.

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For more information please call: **1.800.638.8663**
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