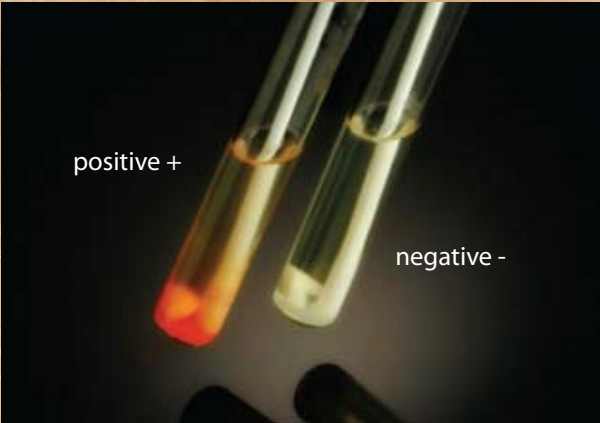




# StrepB Carrot Broth™

StrepB Carrot Broth™ is a unique modification of Granada Medium consisting of a one-step method for screening pregnant women for the presence of Group B Streptococcus. This screening test is an improvement over conventional methods, by increasing sensitivity, decreasing turn around time, while lowering labor and material cost.



### Advantages of StrepB Carrot Broth™

- Easy read-out. If an orange to red color develops, Strep B is present.
- Positive results can be reported as early as 6 hours after inoculation.
- For positives, there is no need for further subculturing or testing.
- Lower cost when compared to the LIM Broth method (see cost analysis on the reverse side).
- Carrot Broth™ was found to be more sensitive than the LIM Broth and Granada Agar Plate methods\*, and even PCR!\*\*
- Negative cultures from StrepB Carrot Broth™ can be subbed to a GBS Detect Plate to easily find non-hemolytic strains of GBS.

StrepB Carrot Broth™, 20 tests .....Z140  
Call Hardy Diagnostics at 800.266.2222 for a free sample to evaluate in your laboratory.

\*A multi-center clinical study by Schreckenberger et al., found the sensitivity of Carrot Broth to exceed that of LIM Broth method (97% vs. 93%). Poster presented at the 2005 ASM General Meeting, Atlanta, GA.

In house study showed a sensitivity of 99% at 10<sup>2</sup> CFU/ml and specificity of 100%. Data available upon request.

\*\*Schreckenberger, P. "Comparison of Real-Time PCR with Standard LIM Broth and Carrot Broth™ for the Detection of Group B Strep" Poster at ASM 2006, Orlando, Florida



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# LIM Broth Method

Day 0

LIM Broth  
(cat. no. L57)



Cost Analysis (for 100 Patients)

**Materials**  
100 tubes X \$2.05 = \$205.05  
**Labor**  
100 X \$0.50 = \$50.00

Day 1



Blood Agar Plate (cat. no. A10) or  
Selective Strep Plate (cat. no. A70)

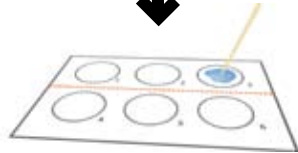
**Materials**  
100 plates X \$0.86 = \$86.00  
**Labor**  
100 X \$0.50 = \$50.00

Day 2

Read for suspect colonies - must check all suspicious  
hemolytic and non-hemolytic colonies that resemble GBS.

[-] negative approx. 25% [+]

**Report  
Negative [-]**



Latex Agglutination

[-] negative positive [+]

**Report  
Negative [-]**

**Report  
Positive [+]**

**Materials**  
25 latex tests X \$5.67 = \$141.67  
**Labor**  
25 X \$5.00 = \$125.00

Total Cost for 100 Patients: **\$657.72\***

# StrepB Carrot Broth™ Method

Day 0

StrepB  
Carrot Broth™  
(cat. no. Z140)



Cost Analysis (for 100 Patients)

**Materials**  
100 tubes X \$2.75 = \$274.60  
**Labor**  
100 X \$0.50 = \$50.00

Day 1

Read for color change

[-] No color change approx. 75% Orange to red color change [+] approx. 25%



GBS Detect  
(cat. no. A300)  
Non-hemolytic GBS  
will appear hemolytic  
on this plate

**Report  
Positive [+]**  
approx. 25%

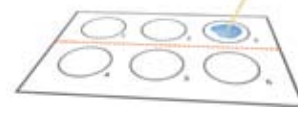
**Materials**  
75 plates X \$1.75 = \$131.25  
**Labor**  
75 X \$0.50 = \$37.50

Day 2

Read for hemolytic colonies of Group B Strep on GBS Detect

[-] negative approx. 19% [+] of the original 100 patients

**Report  
Negative [-]**



Latex Agglutination

[-] negative positive [+]

**Report  
Negative [-]**

**Report  
Positive [+]**

**Materials**  
4 latex tests X \$5.67 = \$22.68  
**Labor**  
4 X \$5.00 = \$20.00

Total Cost for 100 Patients: **\$536.03\***  
StrepB Carrot Broth™ reduces your cost by 18.5%!

\*Assuming: labor at \$30.00/hr; the inoculation and processing of one tube or plate of media takes 60 seconds; latex agglutination takes approximately 10 minutes; 25% of all patient specimens will be positive for hemolytic Group B Streptococcus, and 1% of all specimens will be non-hemolytic Group B Streptococcus.