




**Strep B  
carrot  
broth™ kit** &  
**GBS Detect™**



**HARDY**  
DIAGNOSTICS  
A Culture of Service™



 Online Ordering Available

# ***Fast***

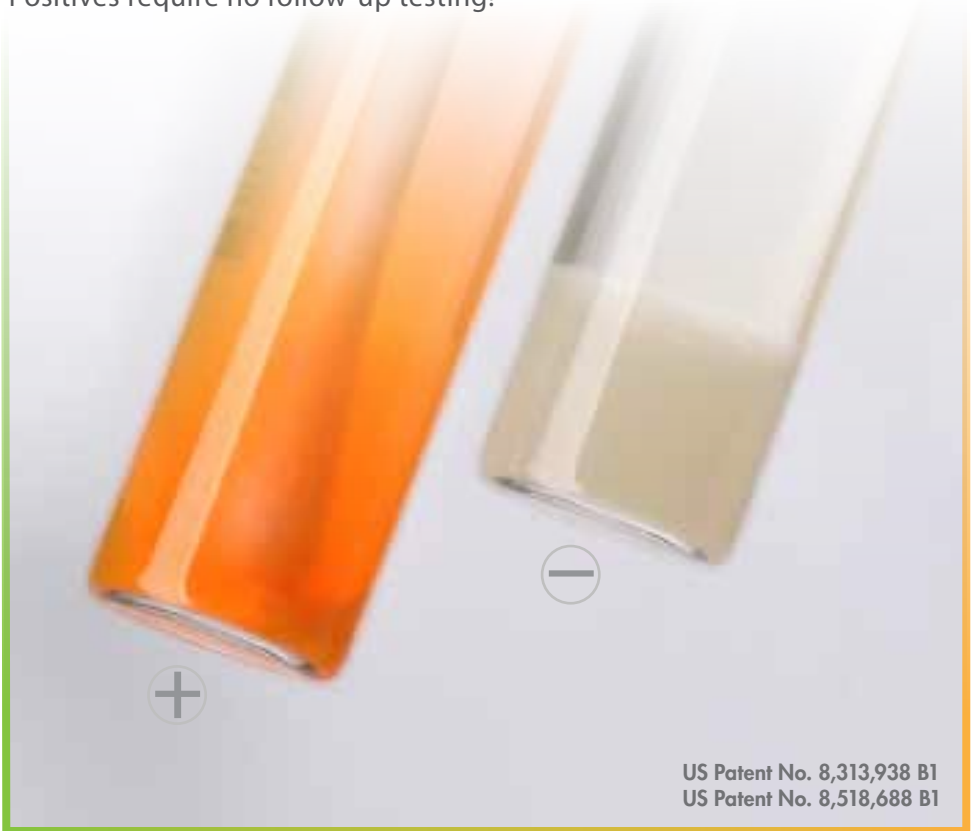
*New color change  
method for cultivation  
and identification of  
beta-hemolytic strains of  
Group B Streptococcus!*



# **Strep B carrot broth™ kit**



Strep B Carrot Broth™ kit is a color change method for cultivation and identification of beta-hemolytic group B *Streptococcus* from clinical specimens, especially for pregnant women. This screening test is an improvement over conventional methods, by increasing sensitivity, decreasing turn-around-time, and lowering labor and material cost. Positives require no follow-up testing!

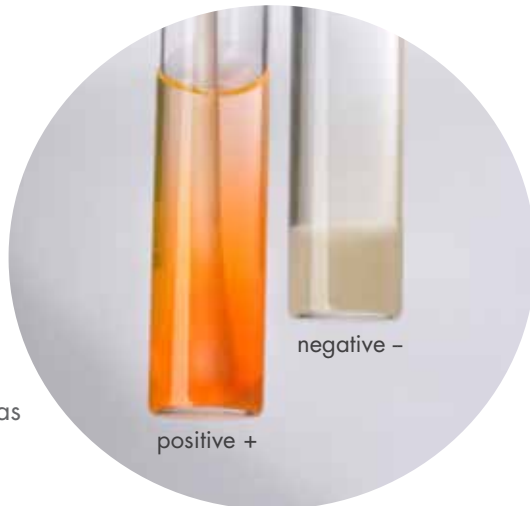


US Patent No. 8,313,938 B1  
US Patent No. 8,518,688 B1

## Advantages of Strep B Carrot Broth™

### **Strep B Carrot Broth™ kit**

- Easy read-out. If an orange to red color develops, Strep B is present.
- Positive results can be reported in 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.
- Proven - Visit our website at [www.HardyDiagnostics.com/carrotbroth.htm](http://www.HardyDiagnostics.com/carrotbroth.htm) or scan the QR code to review the scientific studies on Carrot Broth™ media.
- Carrot Broth™ media was found to be more sensitive than the LIM Broth, Granada Agar Plate methods\*, and even PCR!\*\*
- Negative cultures from Strep B Carrot Broth™ can be subbed to a GBS Detect™ plate, Cat. no. A300, to easily find non-hemolytic strains of GBS (see description on next page).



- Can be used with liquid and gel-based transport systems.
- Positive cultures can be held at room temperature for up to 13 days in case susceptibility tests are ordered.
- Carrot Broth™ media is available in multiple formats that work on many automated inoculating machines.

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

In house study showed a sensitivity of 99% at 102 CFU/ml and specificity of 100%. Data available upon request.

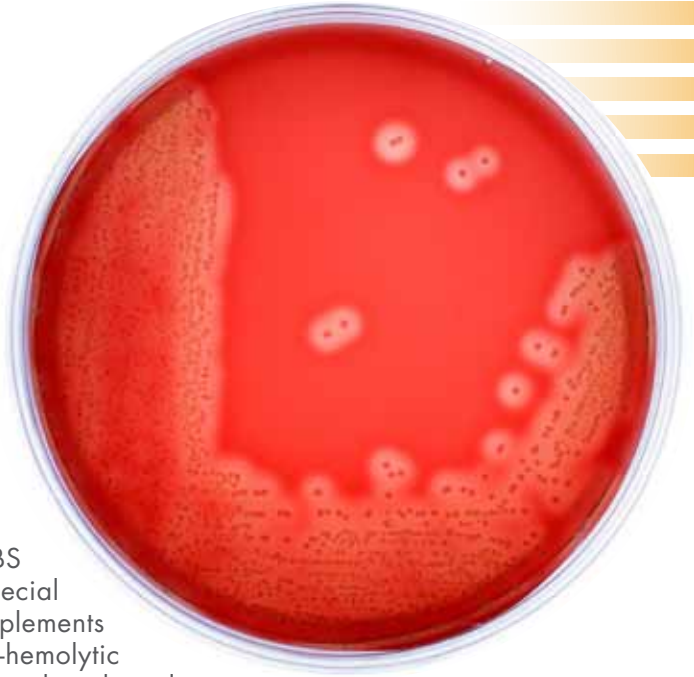
\*\*Schreckenberger, P. "Comparison of Real-Time PCR with Standard LIM Broth and Carrot Broth™ for the Detection of group B Strep" poster at ASM 2006, Orlando, Florida.

US Patent No. 8,313,938 B1 and US Patent No. 8,518,688 B1

## GBS Detect for Non-Hemolytic Strains

# GBS Detect™

GBS Detect™ plate is recommended for the isolation and detection of non-hemolytic group B streptococci by inducing beta-hemolysis upon subculture from enrichment broth procedures such as StrepB Carrot Broth™ media and LIM Broth. GBS Detect™ plates contain special hemolysis enhancing supplements that cause otherwise non-hemolytic strains of GBS to appear as beta-hemolytic, thus increasing the sensitivity of methods used to detect GBS colonization.



A perfect companion product to Carrot Broth™ kit (Cat. No. Z140) which does not detect non-hemolytic strains.

<b>Strep B Carrot Broth™</b> 20 tests .....	<b>Z140</b>
<b>GBS Detect™</b> 15x100mm plate, 10/pk .....	<b>A300</b>
<b>GBS Detect™</b> 15x100mm plate, 100/bx .....	<b>A300BX</b>

Call technical support for assistance 800.266.2222.

Call Hardy Diagnostics at 800.266.2222 for a free sample to evaluate in your laboratory.

# LIM Broth Method

## Day 0

LIM Broth  
(Cat. no. L57)



### Cost Analysis for 100 Patients

#### Materials

100 tubes X \$2.05 = \$205.00

#### 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

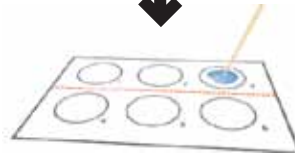
100 X \$0.50 = \$50.00

## 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 = \$141.75  
**Labor**  
25 X \$5.00 = \$125.00

Total Cost for 100 Patients: **\$657.75\***

\*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 3% of all specimens will be non-hemolytic group B streptococcus.

# Strep B Carrot Broth™ Method

## Day 0

Strep B  
Carrot Broth™ kit  
(Cat. no. Z140)



### Cost Analysis for 100 Patients

#### Materials

100 tubes X \$2.75 = \$275.00

#### 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™ plate  
(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

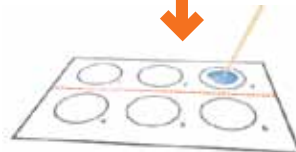
## Day 2

### Read for hemolytic colonies of Group B Strep on GBS Detect™ plate

[-] negative  
72%

approx. 3% [+]  
of the original 100 patients

**Report  
Negative [-]**



Latex Agglutination

[-] negative

positive [+]

**Report: Negative [-]**

**Report: Positive [+]**

#### Materials

3 latex tests X \$5.67 = \$17.01

#### Labor

3 X \$5.00 = \$15.00

*Report most positives within one day!*

Total Cost for 100 Patients: **\$525.76\***  
Strep B Carrot Broth™ kit reduces your cost by 20%!



**HARDY**  
**DIAGNOSTICS**  
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