




**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!

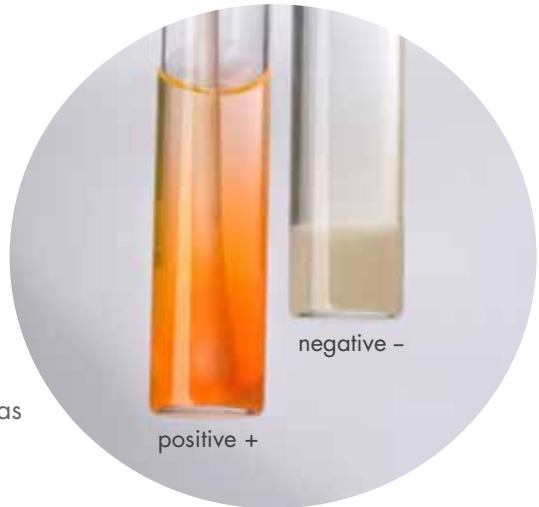


US Patent No. 8,313,938 B1
US Patent No. 8,518,688 B1

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 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.

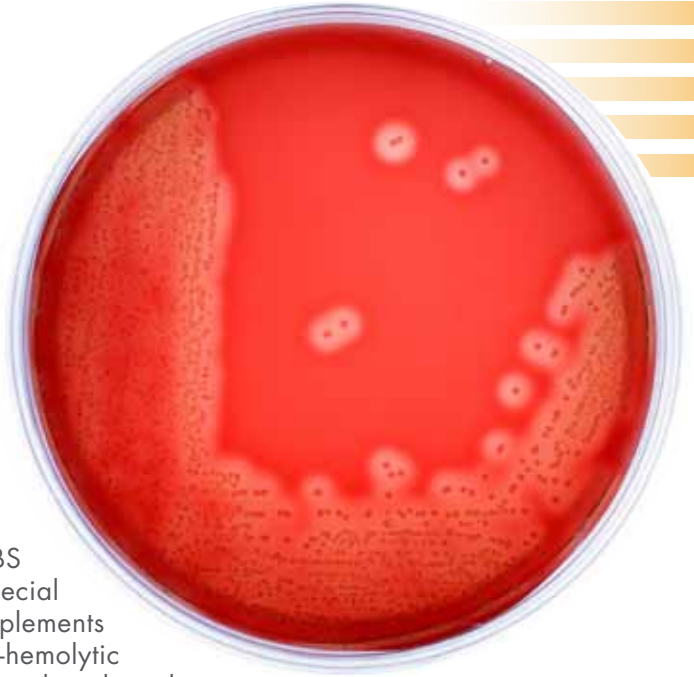
US Patent No. 8,313,938 B1 and US Patent No. 8,518,688 B1

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.

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

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

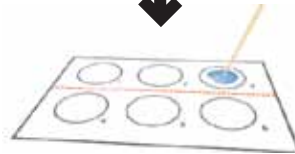
Day 2

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

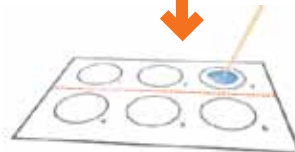
75 X \$0.50 = \$37.50

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%!



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1430 West McCoy Lane
Santa Maria, CA 93455

Website: www.HardyDiagnostics.com | Email: Sales@HardyDiagnostics.com
California | Washington | Utah | Arizona | Ohio | Texas | New York | Florida

