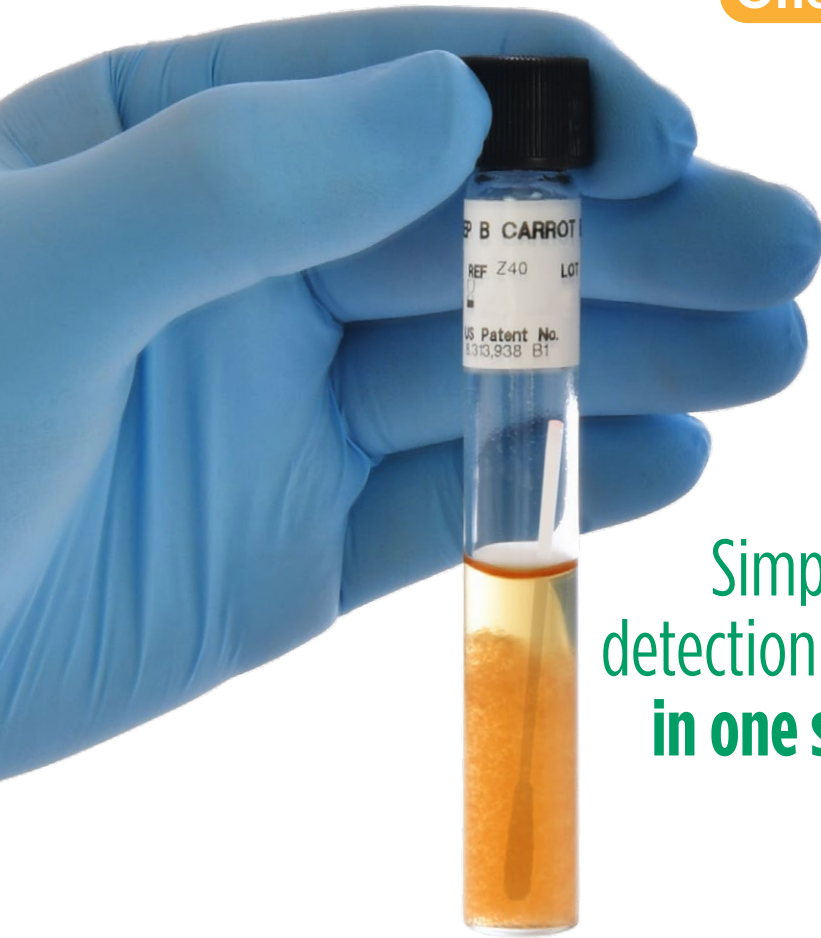


HARDY DIAGNOSTICS  
EXCLUSIVE

Strep B

# Carrot Broth™

One-Step



Simple  
detection of GBS  
**in one step!**

 **HARDY**  
DIAGNOSTICS


Every life deserves an opportunity to **grow** and **thrive**.

**Better tests** enable you to provide **just that**.



**Better testing.  
Better processes.  
Better outcomes.**

Our exclusive Carrot Broth™ One-Step system allows for **faster results** for the **cultivation** and **identification** of beta-hemolytic strains of Group B Streptococcus in pregnant women.

A hand in a blue nitrile glove is shown from the top right, holding a white pipette tip. Below it, another hand in a blue nitrile glove is shown from the bottom left, holding a small, clear plastic vial. The vial has a white label with black text that includes "Strep B CARROT", "REF Z40 LC", and "Patent No. 8,103,828". The vial contains a small amount of clear liquid. The background is plain white.

## Compared to conventional methods, it's not even close

When compared to methods such as PCR or LIM broth, Carrot Broth significantly reduces the work load, the cost, and time necessary to accurately identify GBS colonization in pregnant women.

Strep B Carrot Broth™ One-Step™ features greater sensitivity and decreased turn-around-time, which lowers overall costs.

A clear, chromogenic reaction as early as 16 hours after testing tells you everything you need to know: **Positive**.

**Positive results do not require additional work ups.**

# The advantages are clear.

- Easy one-step process! Place the patient specimen directly into the media.
- Development of any orange to red color indicates a positive result.
- For positives, there is no need for further subculturing to confirm.
- Significantly lower costs when compared to PCR methods.
- **Increased accuracy when compared with LIM Broth. Clinical testing demonstrated a sensitivity of 98.8% and a specificity of 98.2% for the recovery of GBS from patient specimens when compared to LIM Broth.\***
- **Strep B Carrot Broth™ One-Step** was found to be more sensitive than PCR!\*\*
- Negative cultures from **Strep B Carrot Broth™ One-Step** should be subcultured to **GBS Detect™** (Cat. no. A300) to detect weakly or non-hemolytic strains of GBS.





- **Strep B Carrot Broth™ One-Step** is available in multiple formats that work on many automated inoculating platforms.
- In house studies showed a sensitivity of 99% at  $10^2$  CFU/ml, and specificity of 100%. Data available upon request.
- \*Ledeboer, N. et al. **“Evaluation of New Strep B Carrot Broth™ One-Step in the Detection of Group B Streptococcus: A Multi-Center Study”** poster at ASM 2017, New Orleans, LA. During the study, there were 9 beta hemolytic GBS recovered by color reaction in Carrot Broth that were not recovered by LIM broth. There were also 4 non-hemolytic GBS recovered upon subculture of Carrot Broth to blood agar that were not recovered by LIM broth.
- \*\*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, FL.

To further explore the research listed above, please visit:  
[hardydiagnostics.com/carrot-broth/](https://hardydiagnostics.com/carrot-broth/)



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

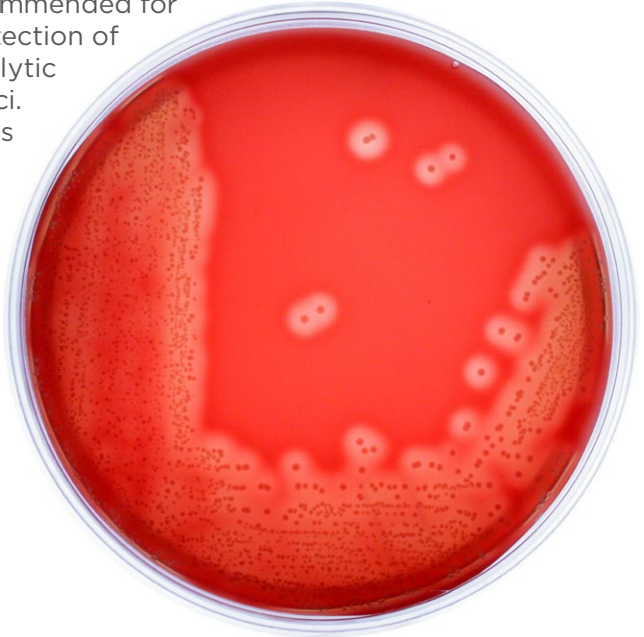
# GBS Detect™

## for Weakly or Non-Hemolytic Strains

A perfect companion product to Carrot Broth™ which does not detect non-hemolytic strains.

GBS Detect™ is recommended for the isolation and detection of weakly or non-hemolytic Group B Streptococci.

GBS Detect™ induces beta-hemolysis of weakly or non-hemolytic GBS upon subculture from enrichment broth procedures, such as LIM Broth or Strep B Carrot Broth™ One-Step.



**Strep B Carrot Broth™ One-Step** 13x100mm glass tube,20/pk.....Z40

**Strep B Carrot Broth™ One-Step** 12x80mm plastic tube,100/pk..... Z44BX

**Strep B Carrot Broth™ One-Step** 16x100mm glass tube,100/pk ..... Z46BX

**GBS Detect™** 15x100mm plate, 10/pk .....A300

**GBS Detect™** 15x100mm plate, 100/bx .....A300BX

**GBS Detect™** 15x100mm plate with reduced stacking ring for automated inoculating devices, 10/pk.....GA300

### StrepPRO™ Streptococcal Grouping Kit

A latex agglutination test for the rapid identification of beta-hemolytic streps includes groups A, B, C, D, F, and G. 60 tests .....PL030HD

### Control Organisms

**Streptococcus agalactiae** derived from ATCC® 12386™

KWIK-STIK™ 6/pk.....0439K

**Streptococcus pyogenes, Group A** derived from ATCC® 19615™

KWIK-STIK™ 6/pk.....0385K

# Strep B Carrot Broth™ One-Step method

## Day 1: Initial inoculation

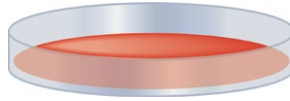
Strep B  
Carrot Broth™  
One-Step



## Day 2: 16-24 hours after read for color change

No color change  
(approx. 75%).  
Subculture to  
GBS Detect™  
(Cat. no. A300)

Orange  
to red  
color  
change



**Report  
Positive**  
approx. 25%



*No further testing required.*

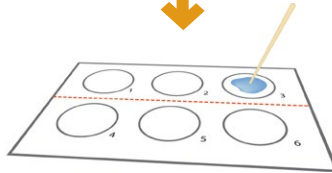
## Day 3: 18-24 hours after subculturing, read for suspect colonies that resemble GBS

No suspect  
colonies

Suspect beta-hemolytic  
colonies

Perform Latex  
Agglutination test  
(Cat. no. PLO30HD)

**Report  
Negative**



**Report Negative**

**Report Positive**  
approx. 4%





**HARDY  
DIAGNOSTICS**  
*A Culture of Service™*



**100%**  
Employee Owned

ESTABLISHED  
**1980**

MADE IN  
**USA**



FM 572526

Hardy Diagnostics has a Quality Management System that is certified to ISO 13485 and is a FDA licensed medical device manufacturer.

**Headquarters**

1430 West McCoy Lane  
Santa Maria, CA 93455  
800.266.2222  
Sales@HardyDiagnostics.com  
HardyDiagnostics.com

**Distribution Centers**

Santa Maria, California  
Olympia, Washington  
Salt Lake City, Utah  
Phoenix, Arizona  
Dallas, Texas  
Springboro, Ohio  
Lake City, Florida  
Albany, New York  
Raleigh, North Carolina

Copyright © 2022 Hardy Diagnostics

