STREP B
CARROT BROTH™
ONE-STEP

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

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.

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/

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

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

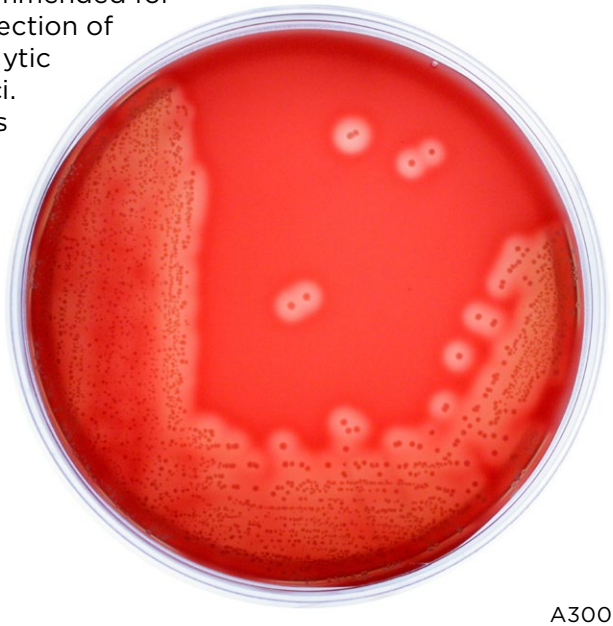
StrepPRO™ Streptococcal Grouping Kit
A latex agglutination test for the rapid identification of beta-hemolytic streps includes groups A, B, C, D, F, and G. 60 tests — PL030HD

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.



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

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

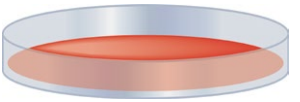
Day 1: Initial inoculation

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.

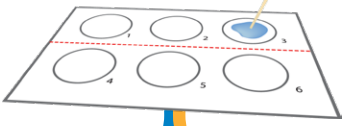
Day 3: 18-24 hours after subculturing, read for suspect colonies that resemble GBS

No suspect colonies

Suspect beta-hemolytic colonies

Perform Latex Agglutination test (Cat. no. PL030HD)

Report Negative



Report Negative

Report Positive approx. 4%

HARDY DIAGNOSTICS

A Culture of Service™

MORE THAN 40 Years of Bringing You A Culture of Service

100% Employee Owned

ESTABLISHED **1980**

MADE IN USA

Hardy Diagnostics donates 1% of net profits to charity.

bsi ISO 13485 Quality Management for Medical Devices CERTIFIED

FM 572526

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

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