




*Intrapartum* screening  
for GBS by isothermal  
molecular biology



*The simplicity of rapid testing combined with the power of molecular biology*

-  ***From sample to result in 30 minutes***  
A sampling kit in the maternity ward, an amplification kit in the laboratory  
A positive result can appear within the first 5 minutes of amplification
-  ***A relevant all-in-one system***  
Two GBS targets and internal cell control
-  ***Complies with European consensus\****  
“A rapid non-culture based screening performed *intrapartum* that would identify accurately GBS colonized women at time of risk is highly desirable”



**10 to 30%**  
of pregnant women  
are healthy carriers<sup>1</sup>

**Change of  
carrying**  
during pregnancy<sup>2</sup>

Major cause of  
**sepsis**  
&  
**neonatal meningitis**<sup>3</sup>

**4 to 6 %**  
of infected infants  
do not survive<sup>4</sup>

**61%** of infected infants were  
born to **culture-negative  
mothers** at 8 months<sup>5</sup>

*Intrapartum* screening for vaginal or rectal GBS with BIOSYNEX AMPLIFLASH® GBS allows the appropriate administration of antibiotic prophylaxis to positive parturients.

## EASY PROCEDURE\*

1



Vaginal +/- rectal  
swab sampling at the  
patient's admission

2



Quick thermal lysis of  
the sample  
(5 minutes)

3



Isothermal amplification  
of the sample  
(25 minutes)

\*Full procedure in the instructions for use

1. Edward MS, Nizet V. Group B streptococcal infections. In: Jack S, Remington JS, Klein JO, Wilson CB, Nizet V, Maldonado YA, editors. Infectious diseases of the fetus and newborn infant. 7th ed. Philadelphia: WB Saunders. 2011;pp.417–467.
2. Yow MD, *et al.* The natural history of group B streptococcal colonization in the pregnant woman and her offspring. I. Colonization studies. *AmJ Obstet Gynecol* 1980;137:34-8.
3. Melin P, Efstratiou A. Group B streptococcal epidemiology and vaccine needs in developed countries. *Vaccine*. 2013;31S:D31–D42
4. Schrag SJ, Zell ER, Lynsfield R, *et al.* A population-based comparison of strategies to prevent early-onset group B streptococcal disease in neonates. *The new england journal of medicine*. 2002;347:233–9.
5. Van Dyke *et al.* Evaluation of universal antenatal screening for group B Streptococcus. *The new england journal of medicine*. 2009;360;25:2626-36