

# Rabbit Anti-Streptococcus Group B Polyclonal Antibody

Rabbit, Polyclonal (Streptococcus Group B)

Cat. No. DPAB1432

Lot. No. (See product label)

## PRODUCT INFORMATION

**Product Overview:** Rabbit Antibody to group B Streptococcus Fluorescein conjugated

**Immunogen:** Streptococci, group B

**Specificity:** Type specific carbohydrate of group B Streptococcus. Does not react with other Strep groups.

**Host animal:** Rabbit

**Format:** FITC, Liquid

**Purification:** Immunoaffinity purified antibody covalently coupled with high purity Isomer I of fluorescein isothiocyanate. Care is taken to ensure complete removal of any free fluorescein from the final product.

**Applications:** Suitable for use in direct IFA. Acetone fixation of the antigen source is recommended prior to staining. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

## REFERENCES

1. Cutland CL, Madhi SA, Zell ER, et al. (2009). "Chlorhexidine maternal-vaginal and neonate body wipes in sepsis and vertical transmission of pathogenic bacteria in South Africa: a randomised, controlled trial". *Lancet* 374 (9705): 1909–1916.
2. Smaill FM. "Intrapartum antibiotics for Group B streptococcal colonisation". *Cochrane Library*. Retrieved 2008-07-20.

## BACKGROUND

**Introduction:** Infection with Group B Streptococcus (GBS), also known as 'Streptococcus agalactiae' and more colloquially as Strep B and group B Strep, can cause serious illness and sometimes death, especially in newborn infants, the elderly, and patients with compromised immune systems. Group B streptococci are also prominent veterinary pathogens, because they can cause bovine mastitis (inflammation of the udder) in dairy cows. The species name "agalactiae" meaning "no milk", alludes to this.

**Keywords:** Beta strep; Group b streptococci; Group b streptococcus; Strep b; Streptococcus Group B; group B Streptococcus; Firmicutes; Bacilli; Lactobacillales; Streptococcaceae; Streptococcus

## PACKAGING

**Concentration:** 1mg/ml (OD280nm,  $E^{0.1\%}=1.4$ )

**Buffer:** 0.01M PBS, pH 7.2 containing 10mg/ml BSA

**Preservative:** 0.1% Sodium azide

**Storage:** Short-term (up to 6 months) store at 2-8°C under subdued light. Long term, aliquot and store at –20°C. Avoid multiple freeze/thaw cycles.

**Warning:** This product contains sodium azide, which has been classified as Xn (Harmful), in European Directive 67/548/EEC in the concentration range of 0.1–1.0%. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.

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