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# Collection of GBS samples at 35-37 weeks of gestation and isolation V.1

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*Recto- vaginal samples collections usually practice to pregnant women because *Streptococcus agalactiae* a bacterial pathogen frequently carried in the normal fecal and/or vaginal flora but also is one of the most importants pathogens involve on neonates infections.*

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protocol

Palacios-Saucedo GdC, Rivera-Morales LG, Vázquez-Guillén JM, Caballero-Trejo A, Mellado-García MC, Flores-Flores AS, González-Navarro JA, Herrera-Rivera CG, Osuna-Rosales LE, Hernández-González JA, Vázquez-Juárez R, Barrón-Enríquez C, Valladares-Trujillo R, Treviño-Baez JD, Alonso-Téllez CA, Ramírez-Calvillo LD, Cerda-Flores RM, Ortiz-López R, Rivera-Alvarado M

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- 1 Remove swab from packaging and insert swab 2 cm into vagina, followed by the rectum, insert swab 1 cm through the anal sphincter using the same swab.

NOTE: Cervical, perianal, perirectal or perianal specimens are not acceptable, and a speculum should not be used for culture collection. Do not touch the cotton end with your fingers.

- 2 Place the swab (s) into a nonnutritive transport medium. Appropriate transport systems (e.g, Stuarts or Amies with or without charcoal) are commercially available.

NOTE: Recovery of group B *Streptococcus agalactiae* (GBS) isolates declines over one to four days, especially at elevated temperatures, which can lead to false negative results. When feasible, specimens should be refrigerated before processing.

- 3 Specimen requisitions should indicate clearly that specimens are for group B *Streptococcal* testing.

- 4 For sample processing, the swab is removed from the transport system and inoculated into<sup>1d</sup> blood agar plates, streaked to isolate, and incubated at 🔧 37 °C for 🕒 24:00:00