

● Colorex™  
**StrepA**



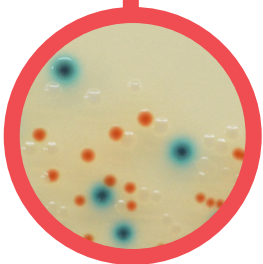
**For screening of Group A Streptococci in  
throat samples**

**Colorex™**

Ready to use plates made with the original CHROMagar powder base

## Plate Reading

- Group A *Streptococcus*  
→ orange to red
- Other oral Streptococci  
→ colourless or blue



## For screening of Group A Streptococci in throat samples

### Background

"Group A streptococcal (GAS) disease is a major problem worldwide. GAS causes infections such as strep throat and impetigo. These bacteria also cause approximately 11,000–13,000 cases of severe (invasive) GAS disease, such as necrotizing fasciitis, in the United States each year". CDC website.

*Streptococcus pyogenes* infection is responsible for nearly all Streptococci caused bacterial pharyngitis, therefore the specific target of current strep throat screening methods.

Rapid and accurate detection of this microorganism in throat specimens, particularly in children and elderly patient, is essential to start antibiotic therapy, to prevent complications and reduce the risk of transmission to other persons.

Patients are commonly tested for the presence of GAS using antigen detection test that provide results in 15-20 minutes, but with a positive predictive value of ~70-90 % and a rate of false negatives ~10-20 %. However, throat culture is used primarily as a confirmatory test with definitive results requiring 24 h.

CHROMagar™ StrepA is a new chromogenic formulation allowing for an easy to read and straight forward color differentiation of GAS colonies (in orange to red) among the other bacteria in the complex throat flora (colorless or blue colonies).

### Medium Performance

- EASY INTERPRETATION**  
Easier reading thanks to an intense orange to red colony colouration.
- HIGH SENSITIVITY**  
Detection of GAS strains with a sensitivity close to 100 %.
- HIGH SPECIFICITY**  
Differentiation of GAS in orange colonies from the other oral Streptococci which grow in blue or colorless colonies.

### Medium Description

<b>Powder Base</b>	Total ..... 54.3 g/L	
	Agar ..... 15.0	
	Peptones and yeast extract ..... 27.0	
	Salts ..... 9.0	
	Growth factors ..... 3.0	
	Chromogenic and selectiv mix ..... 0.3	
	Storage at 15/30 °C - pH: 7.2 +/- 0.2	
	Shelf Life ..... 2 years	
+		
<b>2 Supplements</b> (included in the pack)	1 <sup>st</sup> : Liquid form..... 2 mL/L	2 <sup>nd</sup> : Powder..... 0.1 g/L
	Storage at 15/30 °C	Storage at 2/8 °C
	Shelf Life ..... 3 years	Shelf Life ..... 2 years

Usual Samples	throat swabs
Procedure	Direct Streaking. Incubation 18-24 h at 37 °C. CO <sub>2</sub> .

Distributed by



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