



# **MAST<sup>®</sup>** /ID

## **Latex Agglutinating Kits**

- Simple to use
- Rapid, easy to read results
- Cost effective
- Individual reagents

## Rapid latex agglutination slide test for *Staphylococcus aureus*

*Staphylococcus* is one of the most common genera to be isolated in the routine diagnostic laboratory. Traditional differentiation of *S. aureus* from other members of the genus has mainly involved slide or tube coagulase tests which are regarded by some workers as being unreliable and laborious to perform. **MAST®STAPH** (RST101) is a rapid, slide agglutination test offering a convenient, reliable alternative to coagulase tests.

**MAST®STAPH** (RST101) is based on the test principle described by Essers and Radebold who showed that the presence of bound coagulase (clumping factor) and Protein A could be detected using human plasma coated latex particles. **MAST®STAPH** (RST101) latex reagent contains particles coated with fibrinogen and IgG. If mixed on a slide with *S. aureus* organisms, cell bound coagulase reacts with fibrinogen and/or Protein A reacts with IgG causing rapid agglutination of the latex particles. This kit produces clear, well defined agglutination patterns, with most positive reactions occurring within 20 seconds.

## For the detection of penicillin binding protein 2'(PBP2') and confirmation of Methicillin Resistant *Staphylococcus aureus*.

With the high prevalence of MRSA worldwide and the increasing problem of epidemic nosocomial multi-drug resistant strains, appropriate management and treatment of infection is important. Recent research suggest that it is more appropriate to either directly detect the *mecA* gene coding for methicillin resistance or its product PBP2', when identifying MRSA. Some methods can take time and are too expensive for routine testing.

**MAST®ALEX - MRSA** (RST501) is a sensitive and rapid slide agglutination assay, which detects PBP2' present in MRSA, using latex sensitised with a monoclonal antibody directed against PBP2'. presented in a convenient latex format, with clear and easy results available in 5 to 10 minutes. A simple and cost-effective format that may be used for screening or diagnosis



**MAST®STAPH**  
Latex agglutination test for the identification of  
*Staphylococcus aureus*



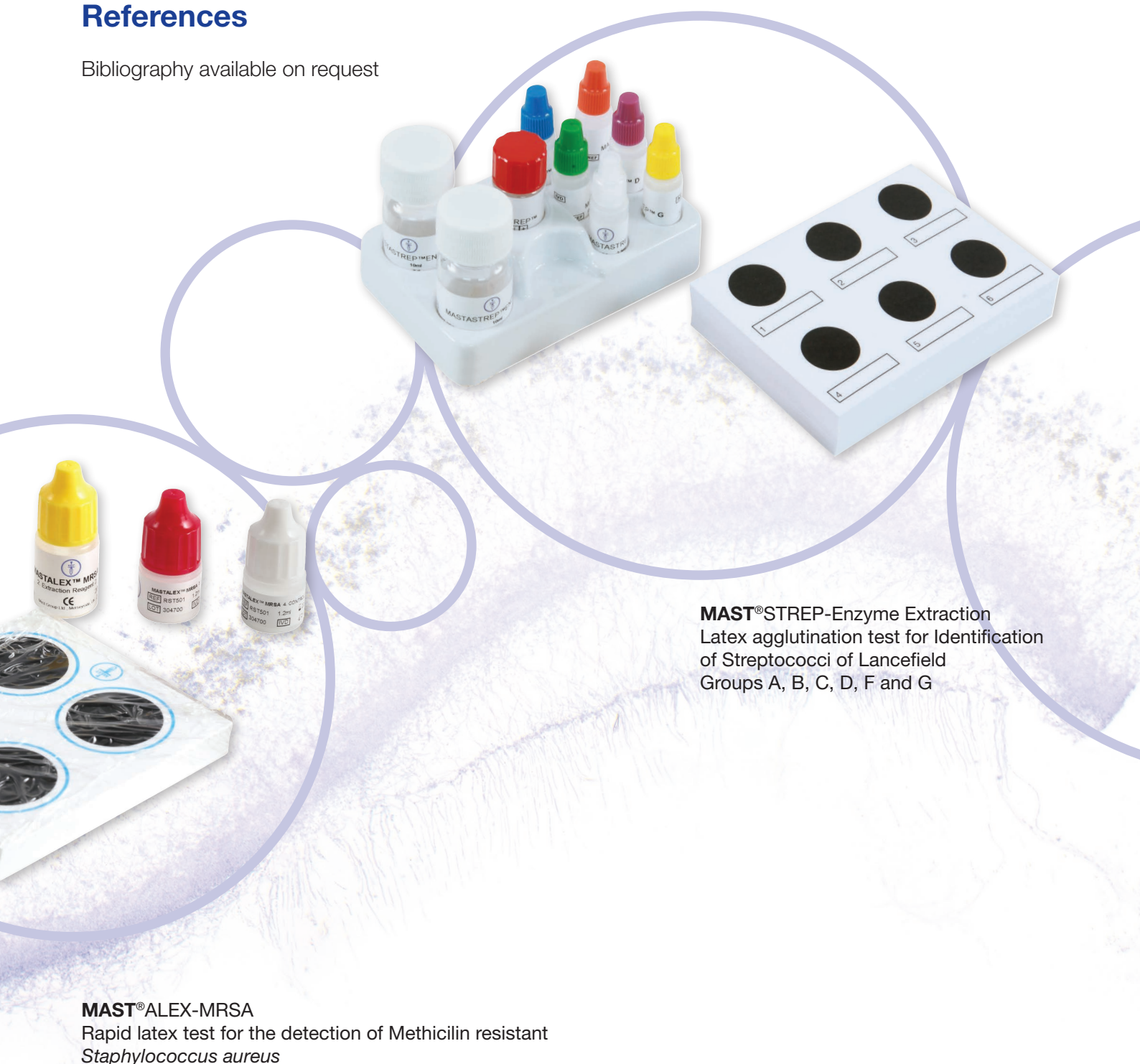
# Rapid latex slide agglutination test for Identification of Streptococci of Lancefield Groups A, B, C, D, F and G

Differentiation of  $\beta$ -haemolytic Streptococci into Lancefield groups is important for patient diagnosis and subsequent treatment. However, conventional Lancefield grouping techniques are time consuming and laborious.

**MAST®STREP** (RST201) combines the advantages of latex agglutination technology with a rapid extraction method to provide an efficient system for grouping all streptococci commonly found in human infections. A rapid simple test procedure which saves time and is easy to perform with a stable liquid enzyme extraction meaning no reconstitution or freezing, the individual reagents maximising the usage of the kit. The coloured codes tops allow for easy identification of reagents, providing rapid, obvious agglutination patterns. The reagents are provided in a recyclable plastic container, which acts as a mini workstation

## References

Bibliography available on request

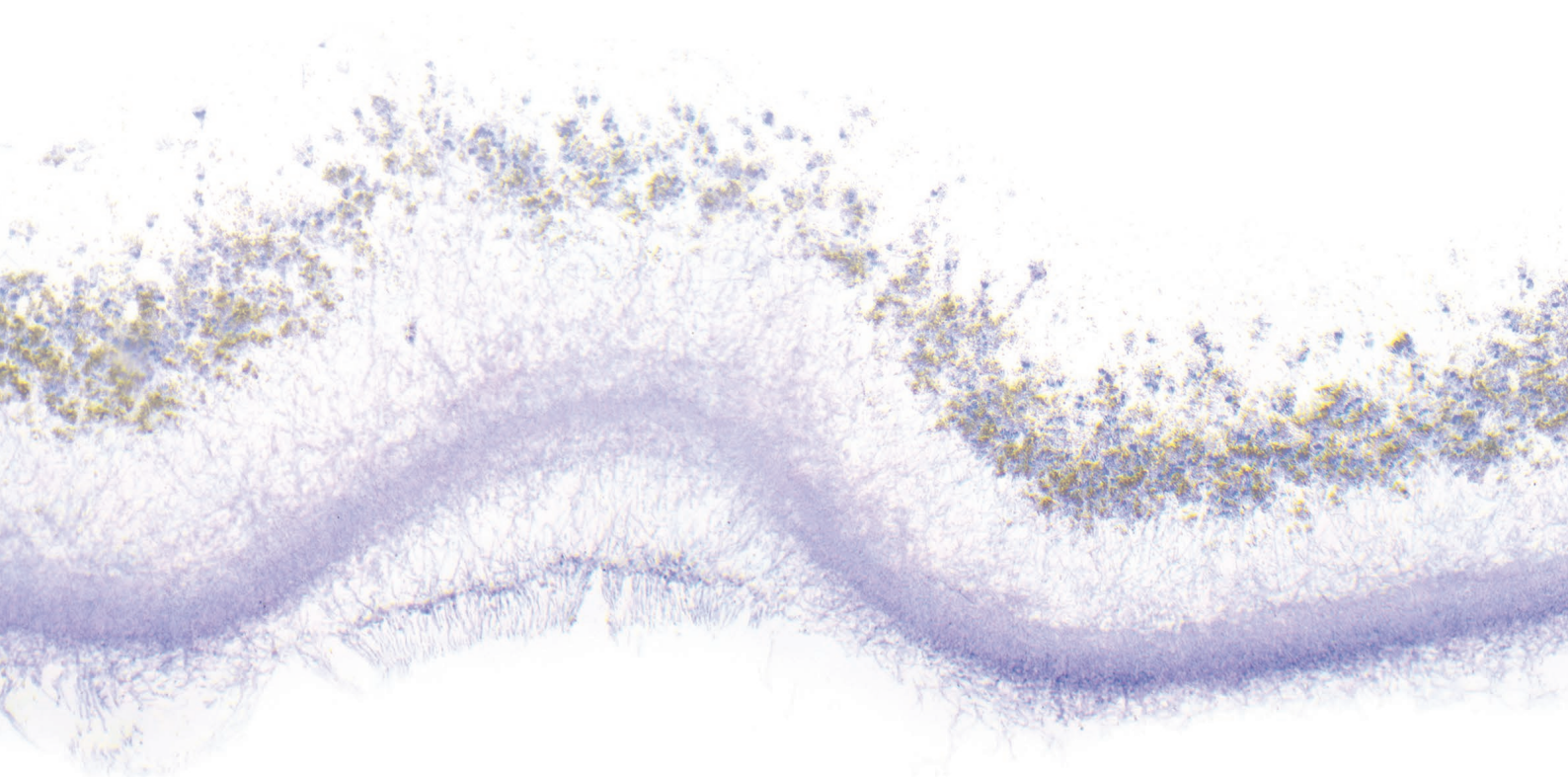


**MAST®STREP-Enzyme Extraction**  
Latex agglutination test for Identification  
of Streptococci of Lancefield  
Groups A, B, C, D, F and G

**MAST®ALEX-MRSA**  
Rapid latex test for the detection of Methicilin resistant  
*Staphylococcus aureus*

## Ordering Information

Order Code	Product	Pack Size
RST101	<b>MAST®STAPH</b> Latex agglutination test for the identification of <i>Staphylococcus aureus</i>	120 tests
RST501	<b>MAST®ALEX-MRSA</b> Rapid latex test for the detection of Methicilin resistant <i>Staphylococcus aureus</i>	48 tests
RST201	<b>MAST®STREP-Enzyme Extraction</b> Latex agglutination test for Identification of Streptococci of Lancefield Groups A, B, C, D, F and G	50 tests



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