



Lyra<sup>®</sup> Direct  
Real-Time Results.  
Ready-to-Use Assays.

## Strep



For the qualitative detection and identification of Group A and pyogenic Group C and G Streptococcus bacterial DNA using real time PCR

- Lyra Direct Strep detects those strains of Group A, C and G which have been shown to cause acute pharyngitis and does not detect those shown to be normal flora.
- Molecular detection gives a fast answer with clear, fully objective results.
- Faster, simplified workflow with less hands on time than culture.
- Superior sensitivity to culture. Various culture media can inhibit or promote different growth, confusing diagnosis
- Studies have shown groups other than A can be pyogenic and proper detection can speed recovery.

## Workflow benefits of Lyra Direct real-time PCR assays

Feature	Benefit
One step reagent set-up	Minimal hands-on time.
Speed	Results in less than 1 hour.
Easy training	Simplified workflow with standard pipetting volumes.
Refrigerated storage	No freezer needed.
2-year shelf life	Reduce waste and reordering.
Room temperature set-up	No ice or cooling block required.
Flexible 96-test format	Avoid aliquoting and minimize reagent cost.

## Clinical performance

### Overall performance of Lyra Direct Strep Assay for Group A $\beta$ -hemolytic Streptococcus

Composite Culture						95% CI		
	POS	NEG	Total	Sensitivity	<b>96.5%</b>	91.3%	98.1%	
Lyra Direct Strep	POS	109	24	133	Specificity	<b>98%</b>	97%	98.6%
	NEG	4	1156	1160				
	Total	113	1180	1293				

### Overall performance of Lyra Direct Strep Assay for Pyogenic Group C and $\beta$ -hemolytic Streptococcus

Composite Culture						95% CI		
	POS	NEG	Total	Sensitivity	<b>95.7%</b>	88.1%	98.5%	
Lyra Direct Strep	POS	67	21	88	Specificity	<b>98.3%</b>	97.4%	98.9%
	NEG	3	1202	1205				
	Total	70	1223	1293				