



Panther Fusion® MRSA Assay

Automate your MRSA testing solution.

Panther Fusion® MRSA assay detects and differentiates *Staphylococcus aureus* (SA) and methicillin-resistant *Staphylococcus aureus* (MRSA) DNA from nasal swab samples.¹

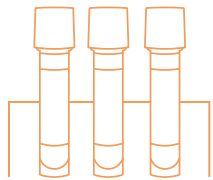
The Panther Fusion MRSA assay brings full automation, efficiency and excellent assay performance to MRSA screening, producing accurate and comprehensive results, providing cost efficiencies to the laboratory and allowing for better patient management.²

Fully automate your MRSA testing routine

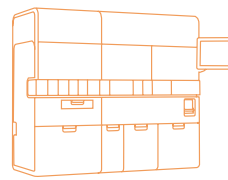
The Panther Fusion MRSA assay leverages the benefits of the Panther Fusion system, with flexible workflow and improved laboratory efficiency.



Direct loading of ESwab™ nasal samples



Re-cap and load onto Panther Fusion instrument



Fully automated sample to result processing



Result interpretation and reporting in 2.4 hours³



Process 335 Panther Fusion tests or combine Aptima® and Panther Fusion assays for up to 500 tests in 8hrs³



Consolidate your MRSA testing along with other Panther Fusion and Aptima assays for virology, respiratory, cervical and sexual health



Eliminate manual assay preparation with ready-to-use MRSA reagents



Eliminate batching with random and continuous sample loading. Deliver a result in 2.4 hours, without the need for pre-enrichment³



Reduce waste with unit dose assay format and 60-day onboard stability¹

Performance you can count on

Accurately detecting and differentiating *Staphylococcus aureus* and methicillin-resistant *Staphylococcus aureus* from ESwab™ nasal samples.¹

	Panther Fusion® MRSA Assay	
	Sensitivity	Specificity
MRSA	95.6% (95% CI: 90.1%-98.1%)	96.8% (95% CI: 95.2%-97.9%)
<i>Staphylococcus aureus</i>	95.9% (95% CI: 92.6%-97.8%)	95.7% (95% CI: 93.7%-97.1%)

Comparison with IVD NAT molecular method

Broad strain inclusivity

Panther Fusion MRSA assay targets orfX/SCCmec, mec A/C and a GAPDH isoform specific for *Staphylococcus aureus* using a combination of polymerase chain reaction and invader chemistries. The Panther® software automatically interprets the individual target results to deliver a clear objective result.¹

MRSA	SA	orfX/SCCmec	mec A/C	GAPDH
+	+	+	+	+
-	+	+	-	+
-	+	-	-	+
-	+	-	+	+
Negative		-	-	-

The Panther Fusion MRSA assay has broad strain inclusivity including the Bengal Bay clone and is able to identify empty cassette variants

Enabling customers to leverage the benefits of the fully automated Panther Fusion instrument to provide a rapid service to hospitals so cases of MRSA are identified and managed quickly and effectively.

Ordering information

	Product Description	Kit Quantity	Catalogue Number
Panther Fusion MRSA assay	Panther Fusion MRSA assay	96 Tests	PRD-04803
	Panther Fusion MRSA assay controls	5 Sets	PRD-04805

RUN ON
PANTHER
FUSION®



CE 2797 EC REP Hologic BV, Da Vincilaan 5, 1930 Zaventem, Belgium. NB Number wherever applicable.

Diagnostic Solutions | Hologic.com | euinfo@hologic.com

References: 1. Panther Fusion MRSA Assay (Package Insert) AW-22789-001 Rev 001, San Diego Ca, Hologic Inc 2022 2. Maurin, E, Ran AG, Abad, L, et al. Performance of the Hologic Panther Fusion MRSA Assay for the nasal screening of methicillin-sensitive and methicillin-resistant *Staphylococcus aureus* carriage. Eur J Clin Microbiol Infect Dis. 2020 Nov;39(11):2169-2176. 3. Panther / Panther Fusion Operators Manual AW-26055-001 Rev. 001, San Diego, CA Hologic, Inc., 2022.

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