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# DNA Aptamer against *Staphylococcus aureus*

SKU# APT-039: DNA Aptamer against *Staphylococcus aureus*

## Background

*Staphylococcus aureus* is a Gram-positive bacteria, frequently found in the upper respiratory tract and on the skin, cause a wide variety of clinical diseases. It is one of the leading pathogens for deaths associated with antimicrobial resistance and the emergence of antibiotic-resistant strains, such as methicillin-resistant *S. aureus*.

**Aptamer type:** DNA aptamer

**Aptamer length:** 48 bp

**Affinity KD:**  $3.49 \pm 1.43$  nM

## Kit contents

The following components are included in the Kit.

	Component	Quantity
APT-039-10	Single strand DNA, lyophilized powder	10 nmol
APT-039-30	Single strand DNA, lyophilized powder	30 nmol

- Store at  $-20^{\circ}$ ; reagents are guaranteed stable for 12 months when properly stored.

## References

Moon, J. et al., Comparison of whole-cell SELEX methods for the identification of *Staphylococcus aureus*-specific DNA aptamers. *Sensors* 2015, 15, 8884-8897.