



DNA Aptamer against Penicillin G

SKU# APT-033: DNA Aptamer against Penicillin G

Background

Benzylpenicillin (Penicillin G) is narrow spectrum antibiotic used to treat infections caused by susceptible bacteria. It is a natural penicillin antibiotic that is administered intravenously or intramuscularly due to poor oral absorption.

Aptamer type: DNA aptamer

Aptamer length: 66 bp

Affinity KD: 105.15±1.94 nM

Kit contents

The following components are included in the Kit.

	Component	Quantity
APT-033-10	Single strand DNA, lyophilized powder	10 nmol
APT-033-30	Single strand DNA, lyophilized powder	30 nmol

- Store at -20°; reagents are guaranteed stable for 12 months when properly stored.

References

Gunasekaran, S., et al., Selection of Ssdna aptamer using go-Selex and development of DNA nanostructure-based electrochemical aptasensor for penicillin, Biosens. Bioelect.:X 12 (2022) 100220.