



DNA Aptamer against Glycated Hemoglobin

SKU# APT-005: DNA Aptamer against Glycated Hemoglobin

Background

Glycated hemoglobin, also known as hemoglobin A1c (HbA1c), is a type of hemoglobin that's chemically linked to sugar. It's a protein found in red blood cells that carries oxygen from the lungs to the body's cells. When glucose is present in the bloodstream, it attaches to the hemoglobin protein, forming glycated hemoglobin. A glycated hemoglobin test measures the amount of glycated hemoglobin in the blood, which can be used to diagnose diabetes.

Aptamer type: DNA aptamer

Aptamer length: 72 bp

Affinity KD: 7.6 \pm 3.0 nM

Kit contents

The following components are included in the Kit.

	Component	Quantity
APT-005-10	Single strand DNA, lyophilized powder	10 nmol
APT-005-30	Single strand DNA, lyophilized powder	30 nmol

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

References

Lin, H.I., et al., Selection of aptamers specific for glycated hemoglobin and total hemoglobin using on-chip SELEX, Lab Chip 15 (2015) 486–494.