
DNA Aptamer against *Salmonella enterica* serovar Typhimurium

SKU# APT-040: DNA Aptamer against *Salmonella enterica* serovar Typhimurium

Background

Salmonella enterica serovar Typhimurium is one of the most harmful enteric pathogens, a leading cause of the food borne illness salmonellosis in infants, the elderly, and immunocompromised persons. Human salmonellosis is usually associated with the consumption of Salmonella-contaminated foods mostly originating from animal sources, such as poultry, eggs, milk, and beef, but also nonanimal sources, such as vegetables, fruits, and spices.

Aptamer type: DNA aptamer

Aptamer length: 76 bp

Affinity KD: 123 ± 23 nM

Kit contents

The following components are included in the Kit.

	Component	Quantity
APT-040-10	Single strand DNA, lyophilized powder	10 nmol
APT-040-30	Single strand DNA, lyophilized powder	30 nmol

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

References

Rani Lavu, P.S. et al., Selection and characterization of aptamers using a modified whole cell bacterium selex for the detection of *Salmonella enterica* serovar Typhimurium. ACS Comb. Sci. 2016, 18, 292–301.