



DNA Aptamer against *Campylobacter jejuni*

SKU# APT-041: DNA Aptamer against *Campylobacter jejuni*

Background

Campylobacter jejuni is a Gram-negative, microaerophilic, spiral-shaped motile bacterium that causes infections from mild, non-inflammatory diarrhea to severe abdominal cramps, vomiting, and inflammation in humans. It poses a huge threat and burden for the health of humans around the world, with ever-increasing *C. jejuni* cases over the past several decades.

Aptamer type: DNA aptamer

Aptamer length: 59 bp

Affinity KD: 1.37 ± 0.28 nM

Kit contents

The following components are included in the Kit.

	Component	Quantity
APT-041-10	Single strand DNA, lyophilized powder	10 nmol
APT-041-30	Single strand DNA, lyophilized powder	30 nmol

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

References

Chen, W., et al., Selection of specific DNA aptamers for hetero-sandwich-based colorimetric determination of *Campylobacter jejuni* in food. *J. Agric. Food Chem.* 2020, 68, 8455–8461.