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# DNA Aptamer against Enterotoxin B of *Staphylococcus aureus*

SKU# APT-021: DNA Aptamer against Enterotoxin B of *Staphylococcus aureus*

## Background

*Staphylococcal* enterotoxin B (SEB) is a toxin produced by the bacterium *Staphylococcus aureus* that can cause food poisoning and other health issues. SEB exposure can cause flu-like symptoms, including fever, chills, headache, sore throat, and muscle pain. Symptoms usually appear 4–10 hours after swallowing SEB, or 3–12 hours after breathing it in.

**Aptamer type:** DNA aptamer

**Aptamer length:** 78 bp

**Affinity KD:** 56.8 ± 3.9 nM

## Kit contents

The following components are included in the Kit.

|            | Component                             | Quantity |
|------------|---------------------------------------|----------|
| APT-021-10 | Single strand DNA, lyophilized powder | 10 nmol  |
| APT-021-30 | Single strand DNA, lyophilized powder | 30 nmol  |

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

## References

DeGrasse, J.A., A single-stranded DNA aptamer that selectively binds to staphylococcus aureus enterotoxin B, PLoS One 7 (2012) e33410.