

APTAMER INFORMATION

Tetracycline aptamer 11 C02 # 285

Description:

- *Identifiers:* 11 Co2 (Oligo #285)
- *Number of DNA nucleotides:* 40 bases
- *Molecular weight:* 12,223 g/mol
- *Target for selection:* Tetracycline [Sigma, Cat# 87128].

Aptamer was selected from a randomized 40-mer library against the Tetracycline molecule. Proprietary methods were then used to select the aptamer.

Aptamer folding instruction before use:

Once the aptamer is in its working concentration, it needs to be heated to 85-90 degC for 2 minutes, and then cooled to room temperature before use.

1b. Validation data with Tetracycline by BSI method:

- *Buffer used for validation:* 20 mM Tris, 100 mM NaCl, 0.005% Tween20 in nuclease free water, pH 7.4

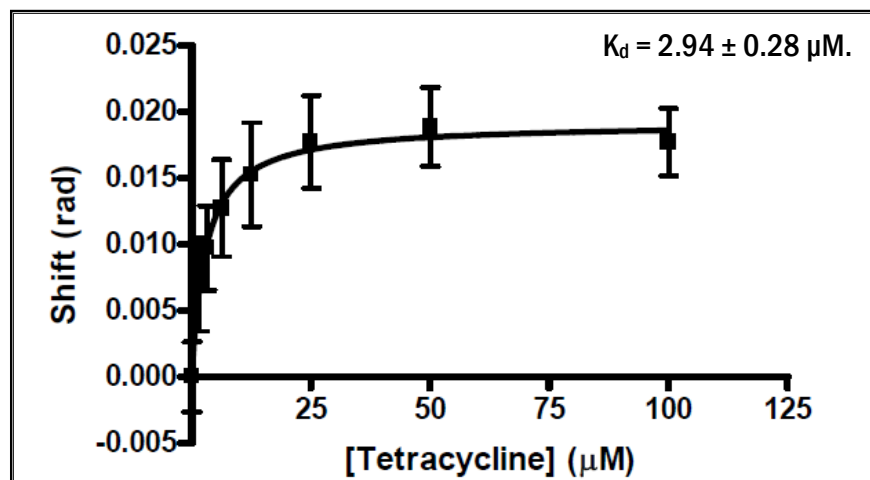


Figure 1. Aptamer-tetracycline binding. The fraction of bound aptamer is plotted versus the titrated tetracycline concentration. The values are the mean values from three independent measurements.