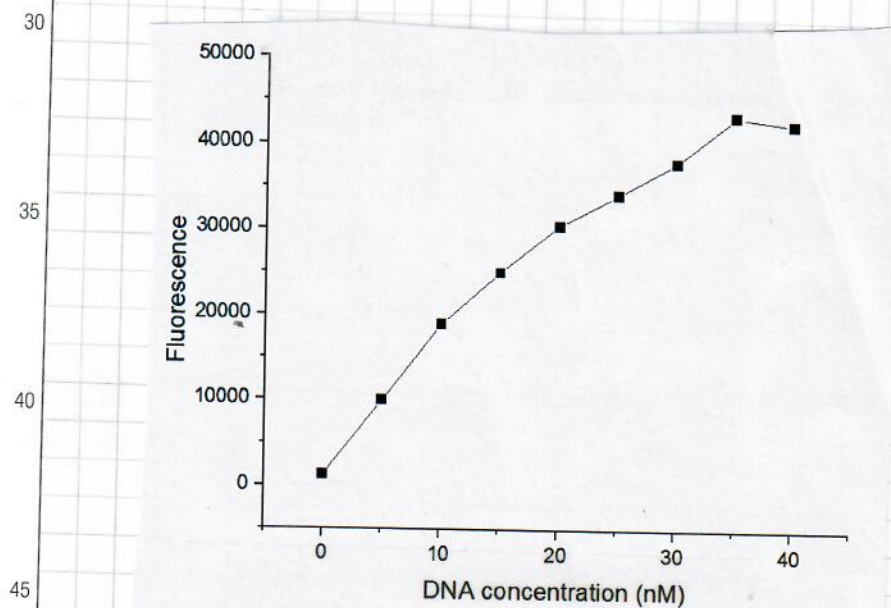


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Protocol:

For the hybridization, 16  $\mu$ l of complementary sequence of anti-E6E aptamer (1  $\mu$ M) was separately incubated with various volumes of anti-E6E aptamer (1  $\mu$ M, ranging from 0 to 16  $\mu$ l) in 320  $\mu$ l of hybridization buffer (200 mM NaCl, 20 mM Tris-HCl, pH 8.3) for 1h at 72°C. After cooling, 32  $\mu$ l of Hoechst 33258 solution (2  $\mu$ M) was added to each reaction mixture, and then the final volume of the solutions was brought to 400  $\mu$ l using distilled  $H_2O$ . After incubation at rt for 10 min, the fluorescence of reaction mixtures was measured by microplate reader and the calibration curves were constructed ( $\lambda_{ex} = 360$  nm,  $\lambda_{em} = 450$  nm).



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