

Product Data Sheet

Cat#: AD-144-U

Cat#: AD-144-B, Biotin labeled

Cat#: AD-144-F, FITC labeled

Product Description: Streptavidin (31)

Aptamer Type: DNA

Sequence: 5'-

ATACCAGCTTATTCAATTCTATACTCCACTTTGCTATTTCTCGGTTCTTCACGCGCCGATCGCAGGCTGATGAATTGAGATAGTAA
GTGCAATCT-3'; 96-mer

Size 100 nM

Mol. Wt: 29413.16 g/mole

Purity: >95%

Affinity: 56.7 nM (reported value)

Comments: n/a

Notes: A modified SELEX —use of fluorescent labels (fluorescein) for DNA quantification, enrichment of target-specific aptamers during selection and use of magnetic beads for target immobilization is used here. The streptavidin-specific aptamers will be used to check the surface occupancy of streptavidin-coated magnetic beads with biotinylated molecules after immobilization procedures.

References: Stoltenburg, R, et al. "FluMag-SELEX as an advantageous method for DNA aptamer selection." Analytical and Bioanalytical Chemistry, 383 (2005): 83-91.

150813V

India Contact:

Life Technologies (India) Pvt. Ltd.

306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444
Email: customerservice@lifetechindia.com Website: www.lifetechindia.com