Product Data Sheet

Cat#: AD-143-U
Cat#: AD-143-B, Biotin labeled
Cat#: AD-143-F, FITC labeled

Product Description: Staphylococcus aureus (SA23)

Aptamer Type: DNA

Sequence: 5'-GCAATGGTACGGTACTTCCGGGCTGGCCAGATCAGACCCCGGATGATCATCCTTGTGAGAACCACAAAAGTGCACGCTACTTTGCTAA-3'; 88-mer

Size **Custom**

Mol. Wt: 27104.61 g/mole

Purity: >95%

Affinity: 61.5 nM (reported value)

Comments: n/a

Notes: ssDNA aptamers specific to S. aureus as target was obtained and Streptococcus and S. epidermidis as counter targets. Five of the 11 aptamers demonstrated high specificity and affinity to S. aureus individually. The combination of these 5 aptamers probed single S. aureus in pyogenic fluids is implemented here.

References: CAO et al. "Combining use of a panel of ssDNA aptamers in the detection of Staphylococcus aureus." Nucleic Acids Research, 37(2009): 1-8

150813V

Alpha Diagnostic Intl Inc., 6203 Woodlake Center Dr, San Antonio, TX 78244, USA; **Email**: service@4adi.com
☎ (800) 786-5777; (210) 561-9515; **Fax**: (210) 561-9544; **Web Site**: www.4adi.com