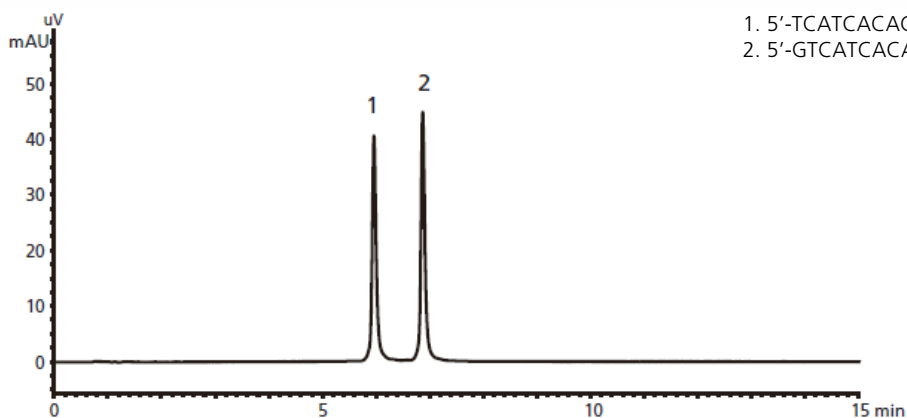


CoreFocus
Report
No.270

LC Ion-exchange Shim-pack Series

Shim-pack™ Bio IEX Q-NP
Analysis of Synthesized Oligonucleotide
(Single Strand DNA)

Keywords: oligomer, oligonucleotide



1. 5'-TCATCACACTGAATACCAAT-3' (20 mer)
2. 5'-GTCATCACACTGAATACCAAT-3' (21 mer)

Column	: Shim-pack Bio IEX Q-NP (100 mm x 4.6 mm I.D., 5 µm), P/N : 227-31003-03
Mobile phase	: A) 10 mmol/L NaOH B) 10 mmol/L NaOH with 1.0 mol/L NaClO ₄
Time program	: B conc. 25 % (0 min) → 55 % (15 min) → 100 % (20 min)
Flow rate	: 1.0 mL/min
Column temp.	: 25 °C
Detection	: UV 260 nm
Injection volume	: 4 µL (5 nmol/mL)

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