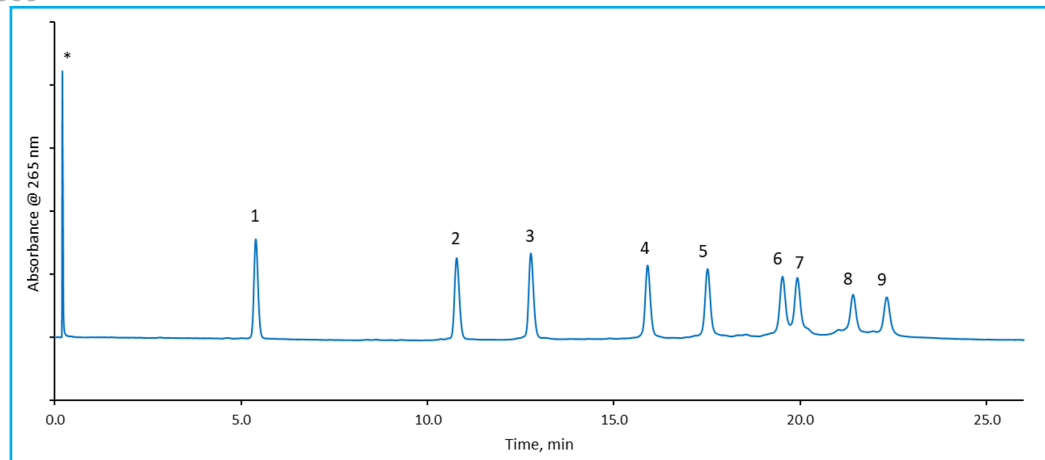




Separation of Large ssDNA Oligomers on HALO® OLIGO C18

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PEAK IDENTITIES

1. 20 mer
2. 30 mer
3. 40 mer
4. 50 mer
5. 60 mer
6. 70 mer
7. 80 mer
8. 90 mer
9. 100 mer

* Tris HCl/EDTA

TEST CONDITIONS:

Column: HALO 120 Å OLIGO C18, 2.7 µm, 2.1 x 50 mm

Part Number: P2A62-402

Mobile Phase A: 100mM TEAA, pH 7

Mobile Phase B: Acetonitrile

Gradient:	Time	%B
	0.0	6.5
	30.0	11
	31.0	11
	31.1	6.5
	35.0	6.5

Flow Rate: 0.5 mL/min

Back Pressure: 144 bar

Temperature: 60 °C

Injection: 2.0 µL

Sample Solvent: 10mM Tris HCl/1mM EDTA pH=8.0

Wavelength: PDA, 265 nm

Flow Cell: 1 µL

Data Rate: 40 Hz

Response Time: 0.05 sec.

LC System: Shimadzu Nexera X2

The OLIGO C18 column with a 120 Å pore size separates a ladder of larger ssDNA nucleotides. Ranging from 20 to 100 bases, each oligonucleotide is separated under IPRP conditions. The oligonucleotide size that can be separated on the HALO® OLIGO C18 depends upon the requirements of the separation. While the OLIGO C18 column excels with smaller oligonucleotides like, antisense strands, it also has the ability to separate larger oligomers like this ssDNA ladder. This increases the diversity of samples that can be analyzed on the HALO® OLIGO C18 column.

