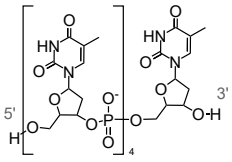
Separation of short oligonucleotides

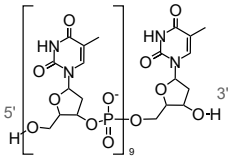
Separation of deoxythymidylate-based oligonucleotides on Kromasil C18

- 1 = dT5



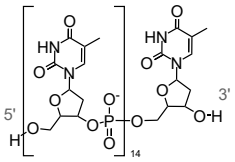
5'-TTTTT-3'

- 2 = dT10



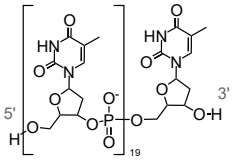
5'-TTTTTTTTTT-3'

- 3 = dT15

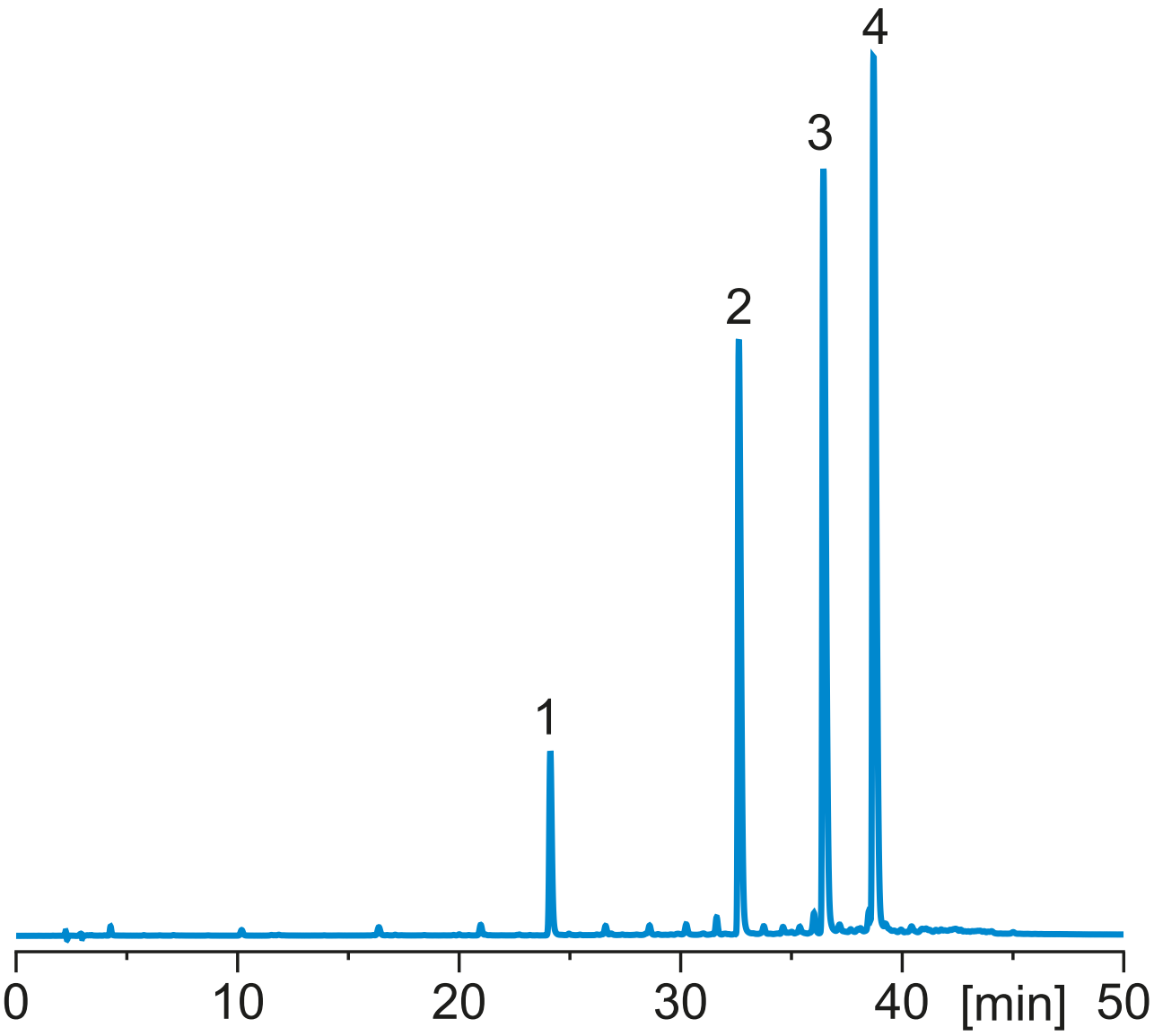


5'-TTTTTTTTTTTTTTT-3'

- 4 = dT20



5'-TTTTTTTTTTTTTTTTTTTT-3'



Column: Kromasil 100-2.5-C18 3.0 × 150 mm
Part number: MH2CLC15
Eluent: acetonitrile / water + 50 mM triethylammonium acetate
Gradient: 0 min: 10.15%; 84 min: 21.99% acetonitrile
Flow rate: 0.3 ml/min
Temperature: 50 °C
Detection: UV @ 260 nm

Reference

Courtesy of Dr Martin Enmark, Karlstad University, Sweden. Work supported by the Swedish Knowledge Foundation for the KKS SYNERGY project 2016 "BIO-QC: Quality Control and Purification for New Biological Drugs" (grant number 20170059)

Kromasil columns available with the stationary phase used in this application

Click/touch the dot for the combination of stationary phase and column diameter of your interest to access column length availability and further options.

			Column diameters, [mm]		
Family	**Phase**	**dp [µm]**	**2.1**	**3.0**	**4.6**
100 Å	**C18**	**2.5**	●	●	●

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