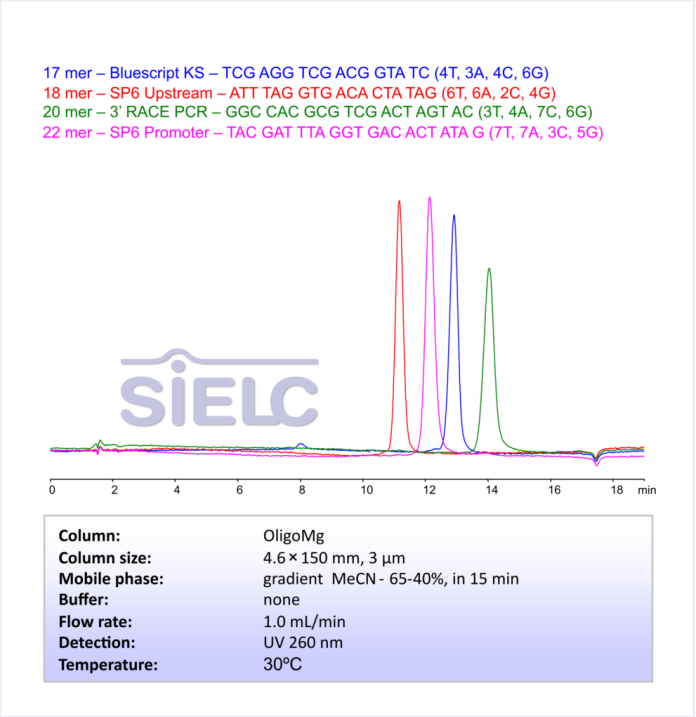
HPLC Method for Analysis of 17-, 18-, 20-, and 22-mer Oligonucleotides on OligoMg Column by SIELC Technologies



Separation type: Bridge Ion Separation Technology, or BIST™ by SIELC Technologies

Research and Studies :

Medical and Diagnostic Applications :

Educational Purposes :

Demonstrating basic principles of nucleic acid chemistry and genetics.

In DNA nanotechnology, specific sequences of DNA are used to form structures and shapes at the nanoscale. A poly(A) sequence might be part of a larger structure.

Using SIELC's newly introduced BIST™ method, this oligonucleotide can be retained on a OligoMg column. Using this new and unique analysis method, oligonucleotide can be separated, retained, and detected at 260 nm.

Please read more on oligonucleotides analysis by HPLC in our June 2024 newsletter .

Method Parameters

Column	OligoMg, 4.6 x 150 mm, 3 µm, 100 Å, dual ended
Mobile Phase	Gradient MeCN65-40%, 15 min
Buffer	none
Flow Rate	1.0 mL/min
Detection	UV 260 nm

Quelle: https://sielc.com/hplc-method-17-18-20-22-mer-oligonucleotides