

## Capillary HPLC:

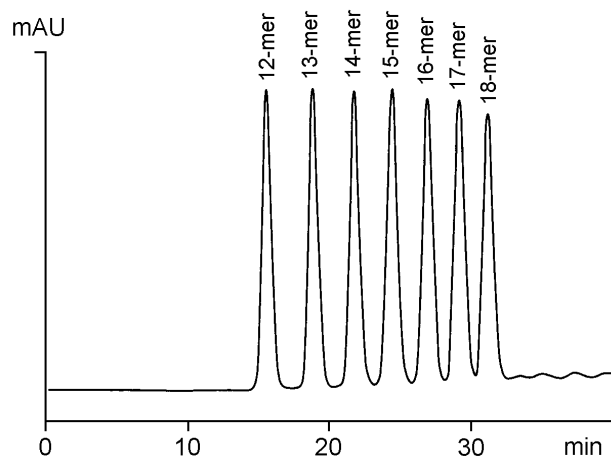
## Kromasil Amino (NH<sub>2</sub>) Separation of Oligonucleotides



App No 137

### Oligonucleotides

**Column:** 5 $\mu$  Kromasil Amino 100Å  
**Dimensions:** 0.3 x 150 mm  
**Order No.:** S-123-0115  
**Mobile Phase:** A: MeCN - 20 mM NaH<sub>2</sub>PO<sub>4</sub> (10:90), pH7  
 B: MeCN - 20 mM NaH<sub>2</sub>PO<sub>4</sub>, 1 M NaCl (10:90), pH7  
**Gradient:** 25 to 95% B in 40 mins  
**Flow Rate:** 5  $\mu$ L/min  
**Temp.:** 40C  
**Detector:** UV @ 260 nm  
**Sample:** 12-18mer poly-DT oligonucleotide standard



### Comments:

A complete turn of the DNA helix spans 10 base pairs, covering a distance of 34 Å (3.4 nm). An 18-mer stretched nucleotide spans approx. 60 Å and can therefore be separated on 100 Å materials.

### ORDERING INFORMATION: HotSep® Kromasil Amino (NH<sub>2</sub>), 5 $\mu$ , 100Å

ID	5 cm	10 cm	15 cm	25 cm	Guard	Guard/5pk
1.0 mm	S-123-1005	S-123-1010	S-123-1015	S-123-1025	G-123-10-1	G-123-10-5
0.5 mm	S-123-0505	S-123-0510	S-123-0515	S-123-0525	G-123-05-1	G-123-05-5
0.3 mm	S-123-0305	S-123-0310	S-123-0315	S-123-0325	G-123-03-1	G-123-03-5
0.1 mm	---	---	---	---	---	---
75 $\mu$ m	---	---	---	---	---	---