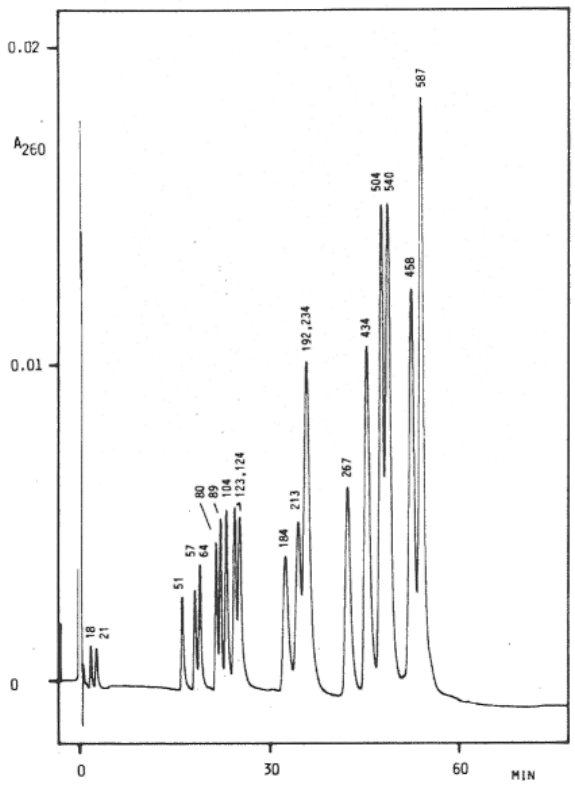
Application Number	107460
Method	HPLC
Results	



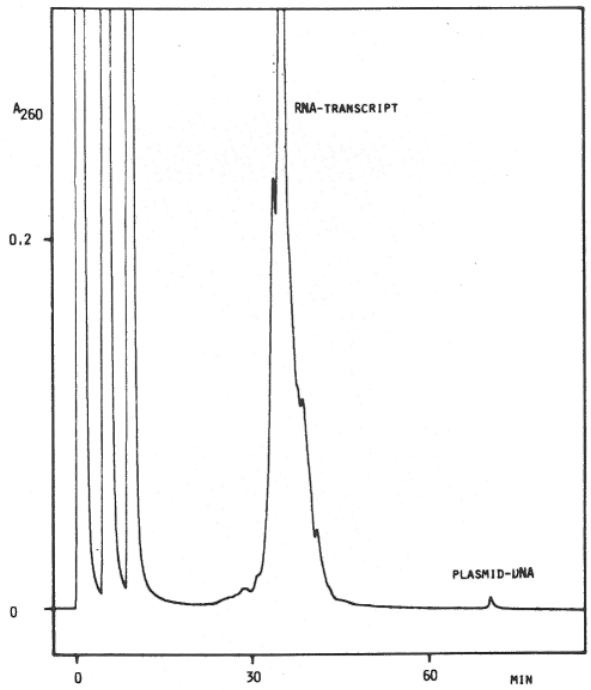
Title: Method A

Legend:

Chromatogram (method A): Anion exchange HPLC of 10 µg DNA restriction fragments from the plasmid pBR 322 cleaved with restriction endonuclease HaeIII.
Fragment sizes are indicated in base pairs.

Chromatogram (method B): Anion exchange HPLC of a preparative in vitro transcription for RNA synthesis.
Sample: Total in vitro transcription mixture containing 2 µg linear plasmid pRH717/EcoRI as template, amount of RNA fragment synthesized 160 µg, length 725 nucleotides, corresponding to a 500fold transcription from each template DNA.

The sample was applied by three injections, shoulders in the peak of the RNA transcript are due to different conformers.



Substances

DNA restriction fragments; RNA transcript; DNA plasmid

Product(s)

Phase	REF	Webshop
NUCLEOGEN DEAE	736601	Shop now

Matrix

Sample(s)

Conditions

Method A
Eluent A: NaCl
Eluent B: 30 mmol/L sodium phosphate pH 6.0 + 6 mol/L urea
Gradient (linear): 0.5 - 0.8 mol/L A in 30 min, 0.8 -

	0.9 mol/L A in 50 min Flow rate: 1.0 mL/min Temperature: 23 °C Method B Eluent A: NaCl Eluent B: 25 mmol/L sodium phosphate pH 6.0 + 6 mol/L urea Gradient (linear): 0.5 mol/L A for 15 min, 0.5 - 0.7 mol/L A in 40 min, 0.7 - 1.2 mol/L A in 25 min Flow rate: 2 mL/min Temperature: 22 °C
Detection	UV, 260 nm
Note	
Author	Hecker, R. et al.
Source	J. Chromatogr. 418 (1987) 97 - 114
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