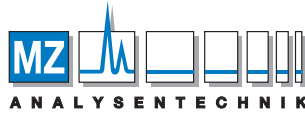


**Application Title:**

Effect of pH in eluent on separation of 1kb DNA ladder by ion-exchange chromatography

**Compound:**

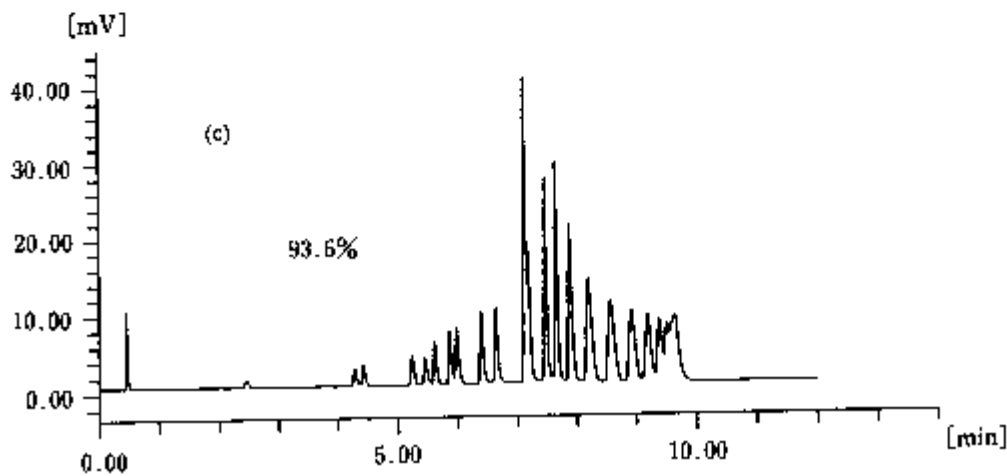
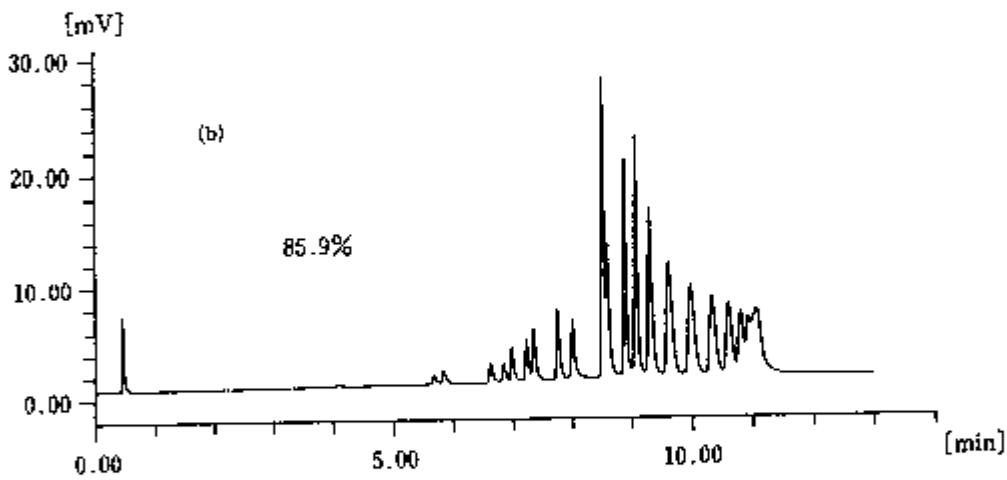
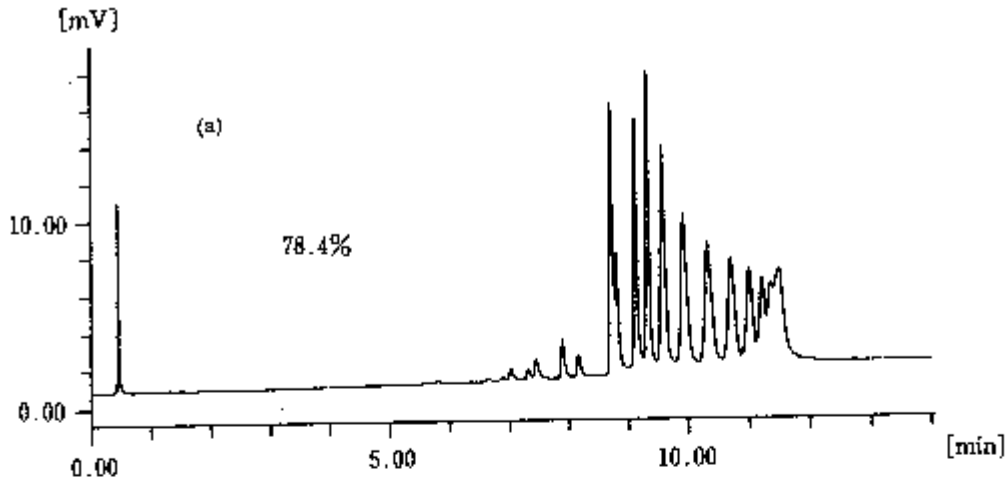
1kb DNA ladder

**AUTHORIZED DISTRIBUTOR**

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**Chromatographic conditions****Column:**[TSKgel DNA-NPR](#), P/N 18249, 2.5  $\mu\text{m}$ , 4.6 mm ID  $\times$  7.5 cm  $\times$  1

## Chromatographic conditions

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**Mobile Phase:**

A: 0.5 mol/L sodium chloride in 20 mmol/L Tris-HCl buffer  
B: 1.0 mol/L sodium chloride in 20 mmol/L Tris-HCl buffer  
Linear gradient from A to 50% B for 15 min  
pH in eluent  
(a) pH 7.0, (b) pH 8.0, (c) pH 9.0

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**Flow Rate:**

1 mL/min

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**Detection:**

UV/VIS @ 260 nm (micro-cell)

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**Temperature:**

25 °C

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**Injection Volume:**

2 µL

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**Sample(s):**

DNA

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**Reference:**

TOSOH Separation Report

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**Title:**

Separation of DNA fragments by ion-exchange chromatography on TSKgel DNA-NPR

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**Number:**

90

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**Page start:**

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**Page end:**

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**Comments:**

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