

**Eldex**[®]

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Application Note

MicroPro™ Pump: 5 μ L/min. gradients

α -chymotrypsinogen A tryptic digest

The ability of the μ Pro syringe pump to deliver precise gradients at flow rates of 5 μ L/min. is demonstrated by the following separations of α -chymotrypsinogen A tryptic digest. Figure 1 shows a separation using a gradient of 0-50% B. Figure 2 shows seven consecutive injections using a gradient of 4-54% B.

Figure 1: 0-50%B

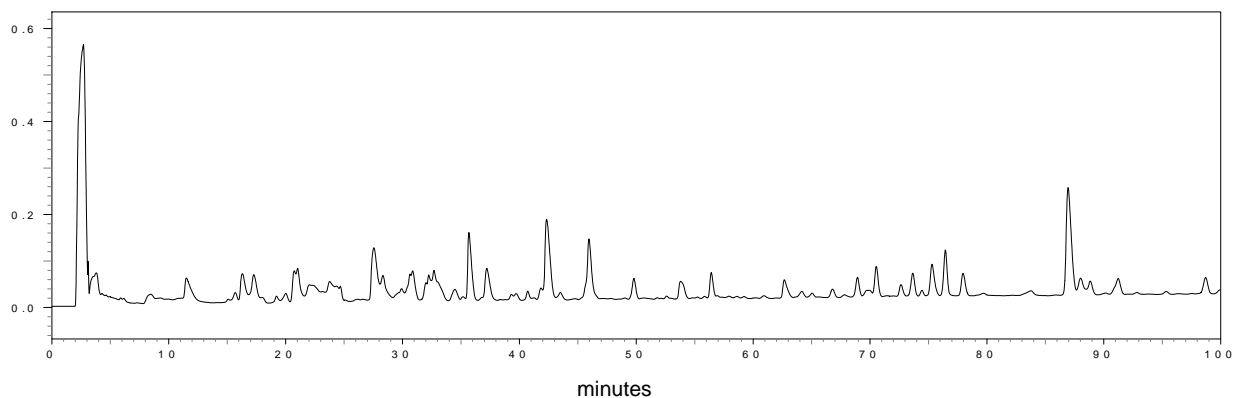
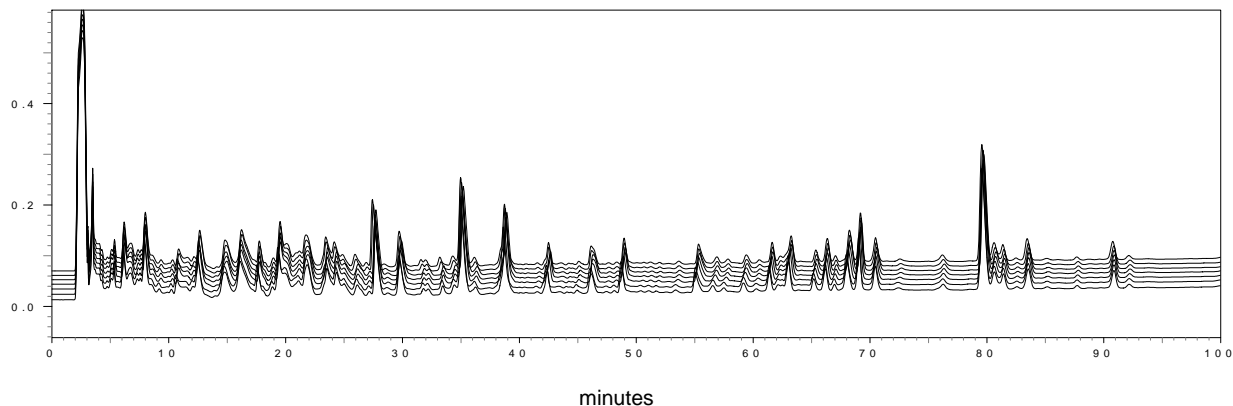


Figure 2: 4-54%B; 7 consecutive runs



Conditions:

Pump: MicroPro 2mL syringe pump
Solvents: A = .05% TFA in water
 B = .045% TFA in 60% acetonitrile/water
Mixer: 10 μ L static
Gradient 1: Linear 0 - 50% B in 100 min. (for Figure 1)
Gradient 2: Linear 4 - 54% B in 100 min. (for Figure 2)
Flow Rate: 5 μ L/min.
Sample: 50 pmole α -chymotrypsinogen A tryptic digest
Column: LC Packings Fusica 150 x .320 mm (Vydac C18, 5 μ m 300 \AA)
Detector: UV @ 210nm w/ LC Packings U-Z View™ capillary flowcell (35nL)