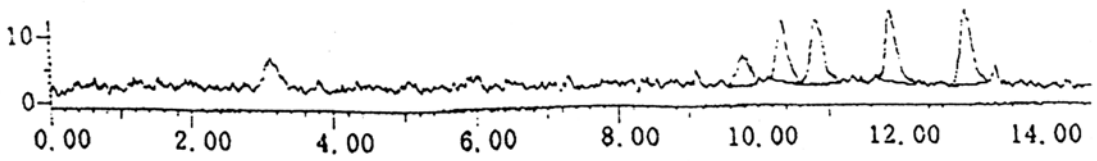
SEDEX Low Temperature Evaporative Light Scattering Detector

SAMPLE: PEPTIDE STANDARDS

Micro HPLC
Gradient

1) Ac-Ala-Gly-$(Leu)_3$-$(Lys)_2$-amide (free amino group on Ala)
2) Ac-Gly-Gly-$(Leu)_3$-$(Lys)_2$-amide
3) Ac-Ala-Gly-$(Leu)_3$-$(Lys)_2$-amide
4) Ac-Val-Gly-$(Leu)_3$-$(Lys)_2$-amide
5) Ac-Val-Gly-$(Leu)_3$-$(Lys)_2$-amide
50 ng each



When peptides are separated via a gradient and monitored by an absorbance detector at short wavelength, significant baseline drift occurs at high gain. The above chromatogram
shows that this drift can be avoided by using an Evaporative Light Scattering Detector (this chromatogram was taken at the highest gain setting of the detector).

Gradient: 0-70% B in 16 min.

CONDITIONS	
Column	*Synchropak RP-P*
	250 x 1 mm
Injected sample	*200 ng/µl (in CH_2CL_2)*
Eluent	*A: 0.1% CF_3COOH*
	B: 0.1% CF_3COOH + 59% CH_3 CN
Flow Rate	*60 µl/min*
Pressure	*2.5 bars*
Gas	*Air*
Temperature	*60° C*

Analyzed By : M. Kawakatsu and H. Kotagoniguichi, MS Trading, Osaka JAPAN

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Application #93