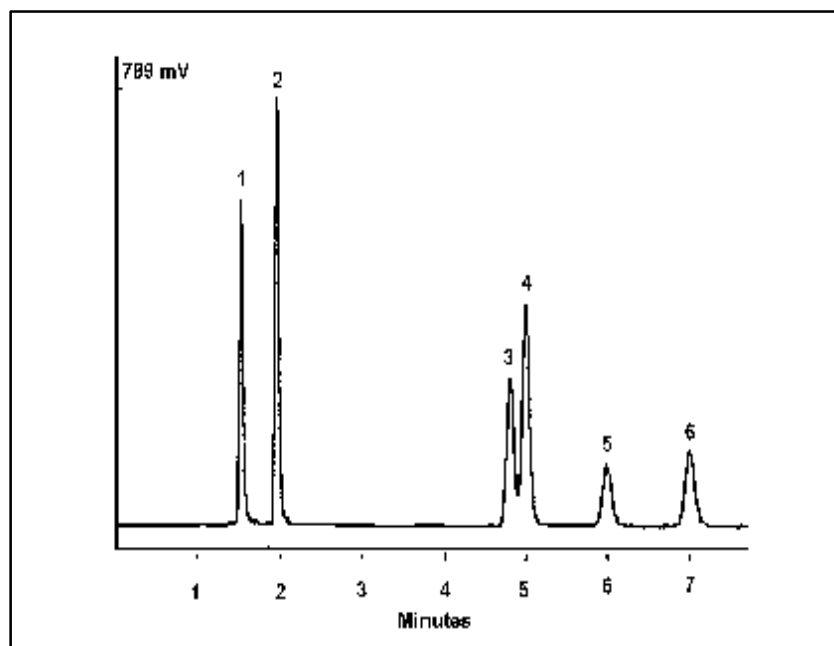


DETECTION OF STEROIDS BY ELSD



The Light-scattering detection principle for liquid chromatography is useful as a mass detector for steroid analysis, provided the material being analyzed is relatively non-volatile at the operating temperature of the instrument.

Universal detection can be performed with this detector since a good baseline is obtained with solvent gradients.

This detector appears especially useful for impurity screening of new products.

Chromatographic conditions :

Column : ProntoSIL 120-3-C18H

Flow Rate : 650 µl/min

ELSD Temperature : 40°C

Sample (70 ppm each)

- | | |
|---------------------|--------------------|
| 1 : hydrocortisone | 2 : progesterone |
| 3 : cholecalciferol | 4 : ergocalciferol |
| 5 : ergosterol | 6 : cholesterol |

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