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Find the *Princeton Applied Research / EG&G 400* at our website: *Click HERE*

Sensitivity with the Model 400 Electrochemical Detector

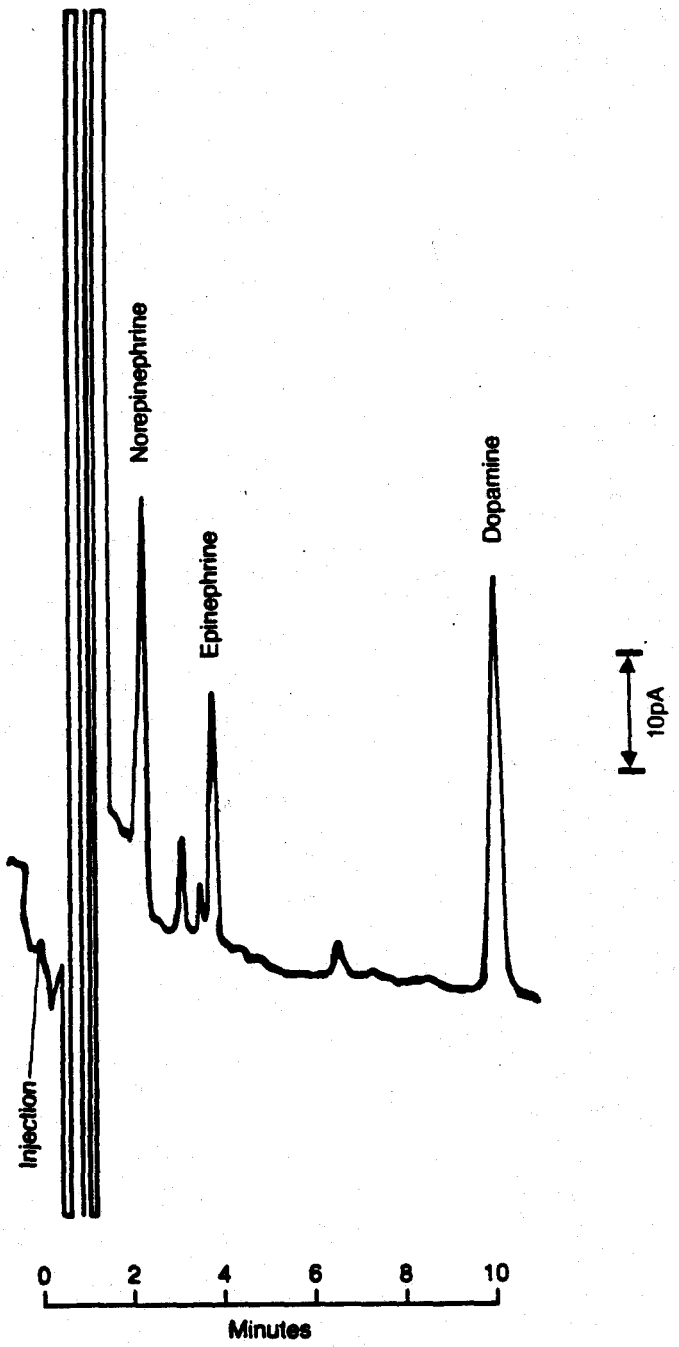
Chromatogram illustrates an LCEC Analysis of Catecholamine Compounds (5 pg Each on Column)*

Instrumental and Chromatographic Conditions

- Pump: SSI Model 200 and Model 210 Guardian; 1.0 ml/min. flow
- Injector: Rheodyne M7125 with 20 ul injection loop
- Column: Brownlee RP-18, 3 um 100 x 3.2 mm I.D.
- Mobile Phase: 116.8 mM NaOH; 144.7 mM Monochloroacetic Acid, 1.38 mM 1-Octane Sulfonic Acid, 1.38 mM EDTA, 2% V/V Acetonitrile, pH 3.1
- Temperature: Ambient

Detector Conditions

- Detector: Model 400
- Electrode: Single Glassy Carbon
- Mode: DC
- Spacer: 4.0 mil
- Potential: 710 mV vs Ag/AgCl
- Current Range: 100 pA/V
- Time Constant: 5.0 sec
- Background Current: 0.86 nA



*Chromatogram was obtained from Drs. Luis Hernandez and Bartley Hoebel, Princeton University

PRINCETON APPLIED RESEARCH
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