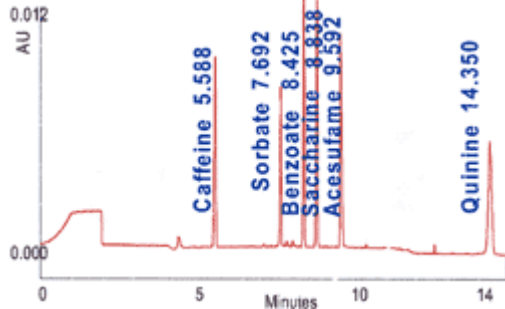




CAPILLARY ELECTROPHORESIS PRODUCTS

Separation of Neutral Compounds by CE using CELixir-SDS™



Neutral compounds normally migrate with the Electro-Osmotic Flow (EOF) in CZE. Using the proper buffer additives, MEKC can be employed and neutral compounds can be separated along with charged molecules. This pre-made "validated" kit makes MEKC easy to perform, reliable and a powerful addition to any laboratory taking advantage of the power and advantages of CE.

Method Conditions:

Catalog No.: 06200-50

Supplied Buffers and Solutions were used without modification

Voltage: 25kV

Capillary: MicroSolvCE™ Bare Fused Silica, 75µm x 60cm

Injection: Electrokinetic, 5 sec, 0.5psi followed by post injection Water Plug

Run Buffer: CELixir-SDS Accelerator™ 50-50 Borate pH 9.2

Detection: UV, 200nm

Polarity: Normal

Sample Preparation:

A standard Test Mix of Caffeine, Sorbate,, Benzoate, Saccharine, Acesulfame and Quinine was used.

Discussion and Rationale:

The CELixir-SDS™ kits use the patented dynamic coating technology of CELixir™ which makes getting results easier and more reliable. Precision through stabilization of the EOF and control of the SDS allows these kits to be used by beginners as well as experienced experts. No buffer preparation and therefore less variation in critical CE parameters also makes these kits the choice of routine as well as research laboratories.