

APPLICATION NOTE

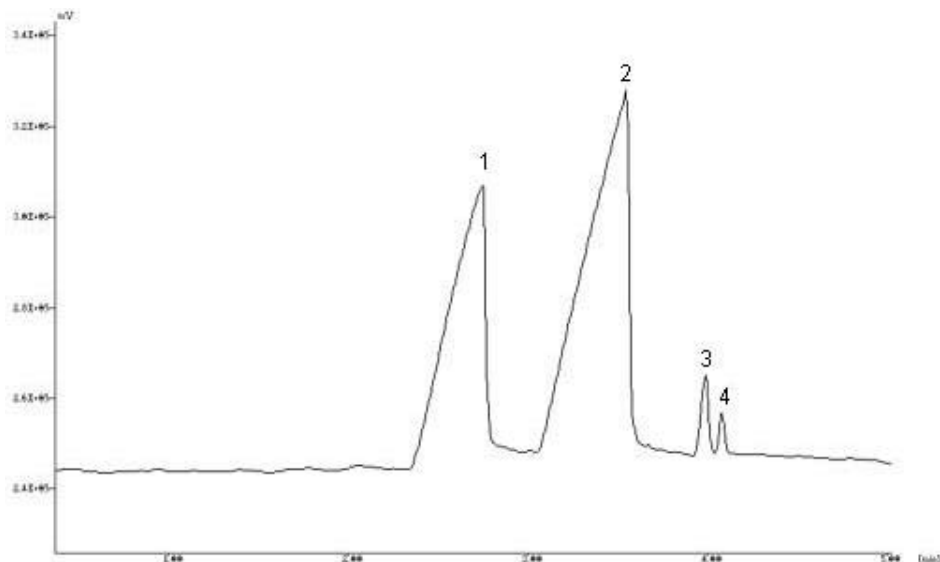
Application Note : 010

Title of application :

Analysis of electrolytes (cations) in urine

Area of application :

Clinical analysis



Conditions :

Buffer	CA-002
Sample	Urine (Peaks: 1. potassium, 2. sodium 3. calcium 4. magnesium)
Capillary	50 μm I.D, 38 cm length
Injection mode	Hydrodynamic injection
Separation setting	7 kV
Instrument used	CE-P1

Description :

Electrolytes play an important role in human life. They are related to maintaining the osmotic pressure, distribution of water, and stability of the acid-base balance. Capillary electrophoresis using the CE-P1 provides a highly speedy and very low cost analytical method for simultaneous determining K^+ , Na^+ , Ca^{2+} and Mg^{2+} . After being diluted (usually by 10 times), the sample can be directly injected for analysis.