



Waters Application Library

Separation of 100 PPB Anion Standards by CIA:
Improved Electrolyte

CIA Application Library

Compound: Chloride; Bromide; Nitrate; Nitrite; Phosphate; Sulfate; Fluoride; Carbonate
Type: Standards
Matrix: Water
Secondary Matrix:

Conditions:

Column / Capillary: AccuSep
Column / Capillary Dimensions: 75 um by 60 cm
Column / Capillary Part Number: WAT25002
Flow Rate / Voltage: -15 KV
Temperature: 30 degrees C
Injection Volume / Type: Hydrostatic
Injection Conditions: 30 seconds
Sample Concentration: 1 ppb each
Sample Preparation:
Run Time: 5 min.

Mobile Phase / Electrolyte: Improved Chromate Electrolyte N601D

Gradient Conditions:

Detection (Primary): 254 nm Indirect

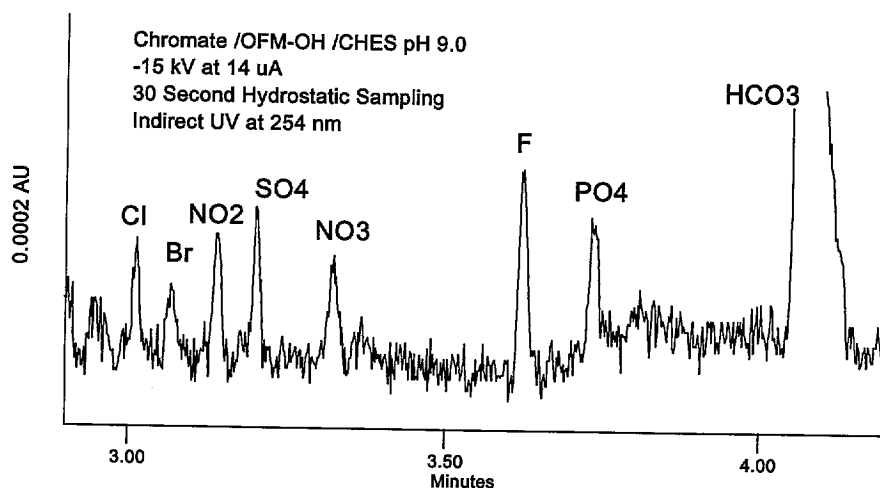
Detection (Secondary):

Instrumentation /System:

Waters Q4000E
Millennium Chromatography Manager V2.1 Control

Chromatogram / Electropherogram:

CIA 100 PPB-Level Anion Analysis With Improved Chromate Electrolyte N601D



Objectives:

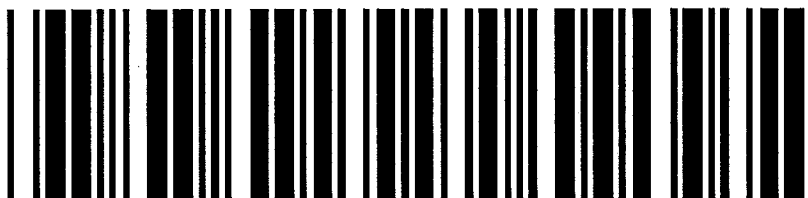
Evaluate improved Electrolyte for the CIA separation of standard anions at ppb level.

Details:

Improved electrolyte results in more robust separations.

Ordering Information:

Part Number	Description	Quantity



008849

Library # : 970899

Title:

CIA analysis of cell culture media



Waters Application Library

CIA Analysis of Cell Culture Media

CIA Application Library

Compound: Chloride; Phosphate; Sulfate
Type: Standards and samples
Matrix: Water
Secondary Matrix: Cell culture Media

Conditions:

Column / Capillary: AccuSep
Column / Capillary Dimensions: 75 um by 60 cm
Column / Capillary Part Number: WAT25002
Flow Rate / Voltage: -15 KV
Temperature: 30 degrees C
Injection Volume / Type: Hydrostatic
Injection Conditions: 30 seconds
Sample Concentration: low ppm each
Sample Preparation: Dilute 1:100
Run Time: 5 min.

Mobile Phase / Electrolyte: Improved Chromate Electrolyte N601D

Gradient Conditions:

Detection (Primary): 254 nm Indirect

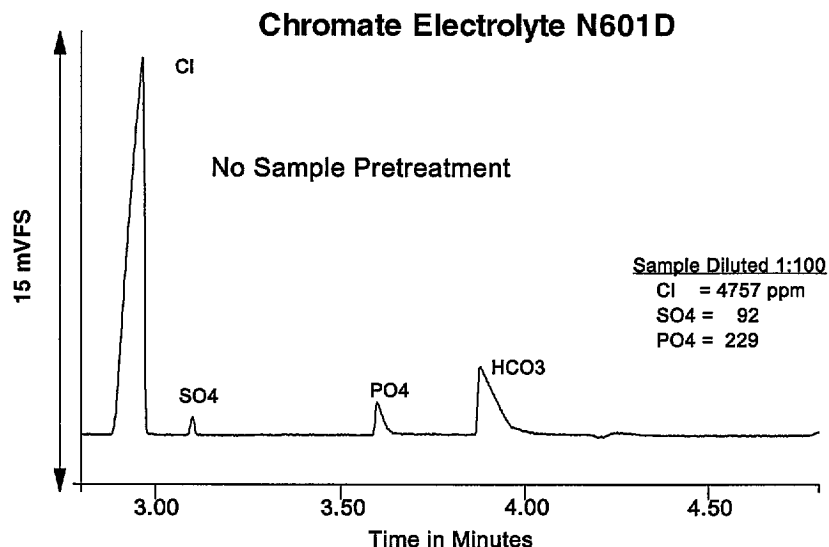
Detection (Secondary):

Instrumentation /System:

Waters Q4000E
Millennium Chromatography Manager V2.1 Control

Chromatogram / Electropherogram:

CIA Analysis of Cell Culture Media-Anions



Objectives:

Evaluate CIA selectivity for the analysis of cell culture media.

Details:

CIA has the selectivity, sensitivity and robustness to be used for the quantitation of various components in cell culture media. No sample preparation is necessary.

Ordering Information:

Part Number	Description	Quantity