

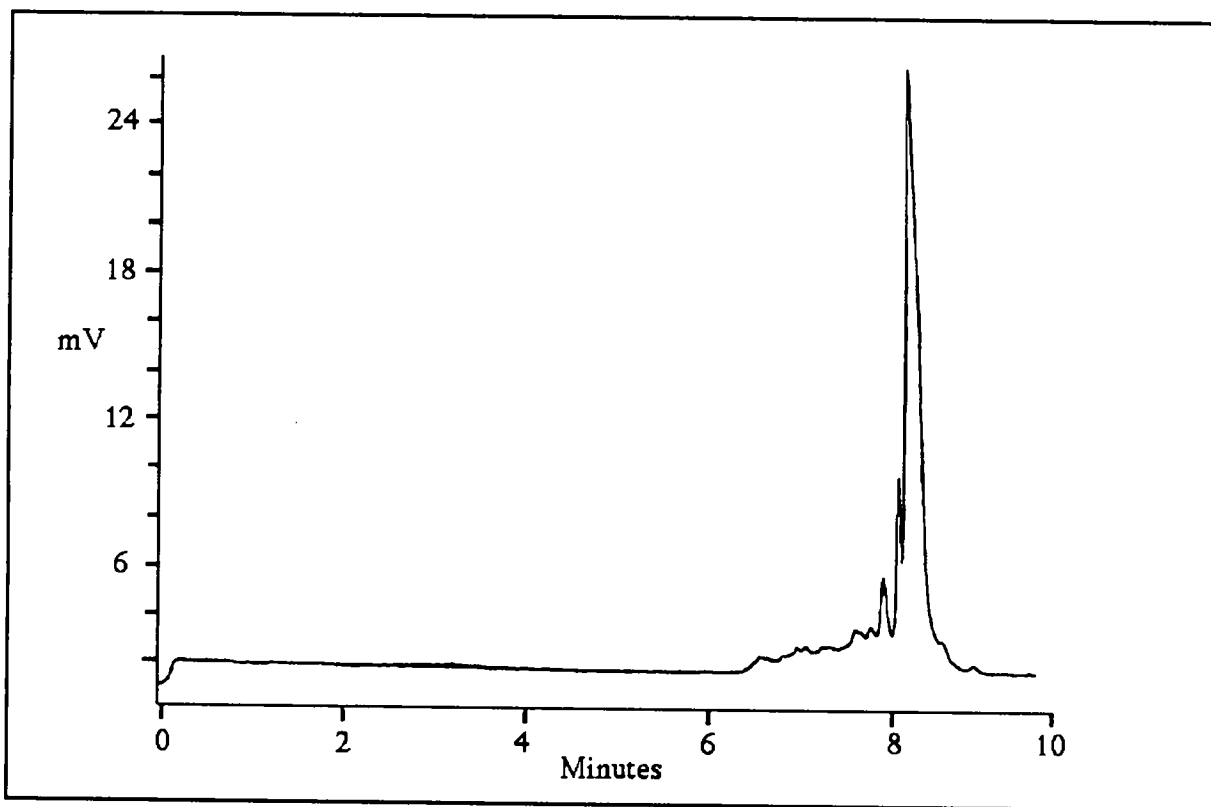


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RAPID CAPILLARY ELECTROPHORESIS SEPARATION OF HEMOGLOBIN



CONDITIONS ON WATERS QUANTA™ 4000

MODE: FZCE
BUFFER: 100 mM H_2PO_4
pH = 2.0
MODIFIER: None
CAPILLARY: 75 μ m x 60 cm
VOLTAGE: + 12 KV
DETECTOR: 214 nm
INJECTION: 10 sec Hydrostatic

SAMPLE MATRIX: Mixture of Normal Adult,
Sickle Cell, and Fetal
Hemoglobin
Confirmed

REFERENCE: John Van Antwerp and Larry Mugavero,
Application Chemists, Morristown, N.J. Laboratory

INTERESTING FACTS

- 1. Previous HPLC methods have included gradient ion exchange techniques to achieve a similar separation.**
- 2. The CE sample preparation and buffer conditions are much easier to prepare compared to the ion exchange HPLC methodology. This can save you valuable time in your laboratory**
- 3. Typical running conditions require only a 10 minute separation followed by a 2 minute purge. Total turnaround time is 12 minutes from injection to injection.**