

Conditions

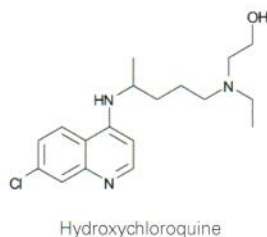
Column: ACE Excel 2 SuperC18
Dimensions: 50 x 2.1 mm
Part Number: EXL-1011-0502U
Mobile Phase: A: 0.5% Ammonium hydroxide pH 10 in H₂O
 B: 0.5% Ammonium hydroxide in MeCN
Gradient:

Time (mins)	%B
0.00	30
1.50	100
2.50	100
2.51	30

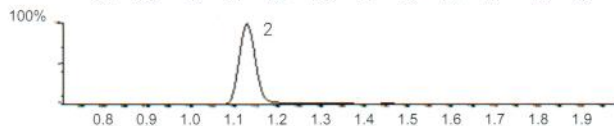
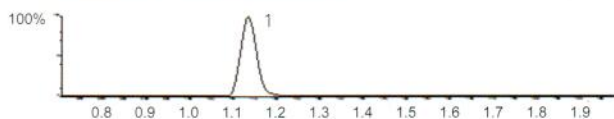
Flow Rate: 0.4 mL/min
Injection: 5 µL
Temperature: 40 °C
Detection: MS/MS detection with Waters TQD
 ESI +ve ion mode

Analytes

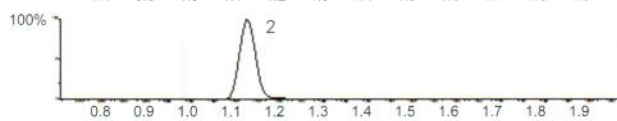
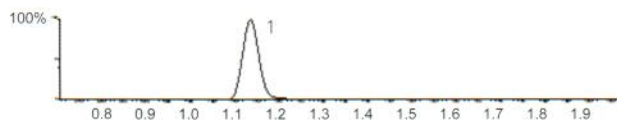
1. Hydroxychloroquine
(*m/z* 336 → 247)
2. d4-Hydroxychloroquine (IS)
(*m/z* 340 → 251)
3. Desethylhydroxychloroquine
(*m/z* 308 → 247)



Typical chromatogram for lowest calibrator (0.09 mg/L hydroxychloroquine)



Typical chromatogram for whole (EDTA) blood samples from patient with systemic lupus



Reproduced with permission of Leslie Brent Laboratory, Hammersmith Hospital, London, UK

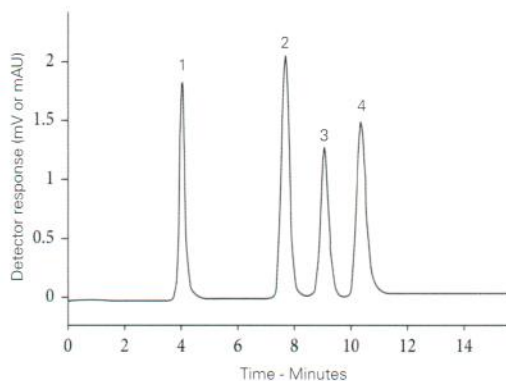
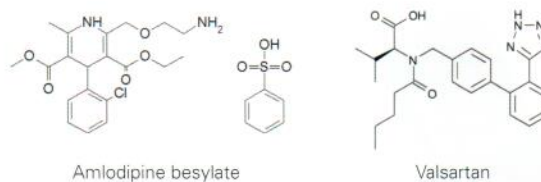
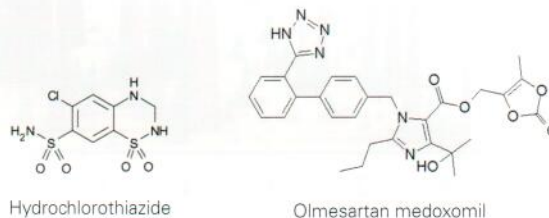
Combined Hypertension Therapy Drugs

Conditions

Column: ACE 5 CN
Dimensions: 200 x 4.6 mm
Part Number: ACE-124-2046
Mobile Phase: 10 mM phosphoric acid in H₂O, pH 2.5/MeCN/MeOH (80:7:13 v/v/v)
Flow Rate: 1 mL/min
Injection: 20 µL
Temperature: 30 °C
Detection: UV, 235 nm
Sample: 1 µg/mL each analyte

Analytes

1. Hydrochlorothiazide
2. Olmesartan medoxomil
3. Amlodipine besylate
4. Valsartan



Tekkeli SEK. Development of an HPLC-UV Method for the Analysis of Drugs used for Combined Hypertension Therapy in Pharmaceutical Preparations and Human Plasma. Journal of Analytical Methods in Chemistry (2013) <http://dx.doi.org/10.1155/2013/179627>