

Analysis of Chloroquine and Its Metabolite by LC-MS/MS using Kinetex® Core-Shell F5 LC Columns

Column: Kinetex® F5 2.6µm 100 Å, LC Column 50 x 2.1 mm, Ea

Dimensions: 50 x 2.1 mm ID

Order No: 00B-4723-AN

Elution Type: Gradient

Eluent A: 0.1% Formic Acid in Water

Eluent B: Methanol

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	98	2
	2	2	93	7
	3	3	85	15
	4	3.2	60	40
	5	4.2	5	95
	6	4.3	98	2
	7	6	98	2

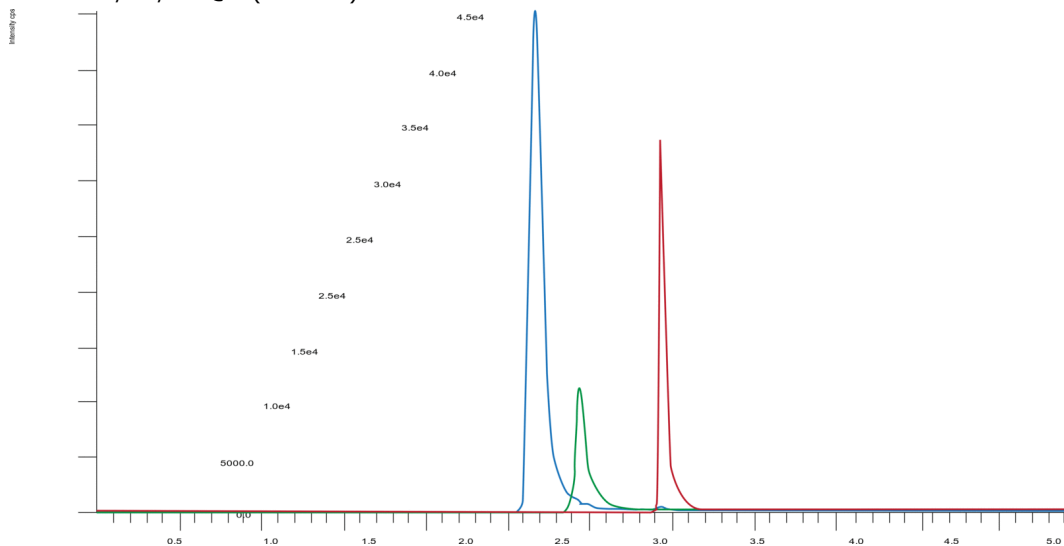
Flow Rate: 0.5 mL/min

Col. Temp.: 20 °C

Detection: LC/MS/MS @ (ambient)



Products used in this application:



ANALYTES:

1 Desethylchloroquine (DCQ)

Retention Time: 2.67 min

2 Hydroxchloroquine (HCQ)

Retention Time: 2.95 min

3 Chloroquine (CQ)

Retention Time: 3.43 min

