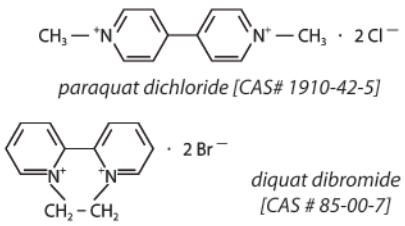
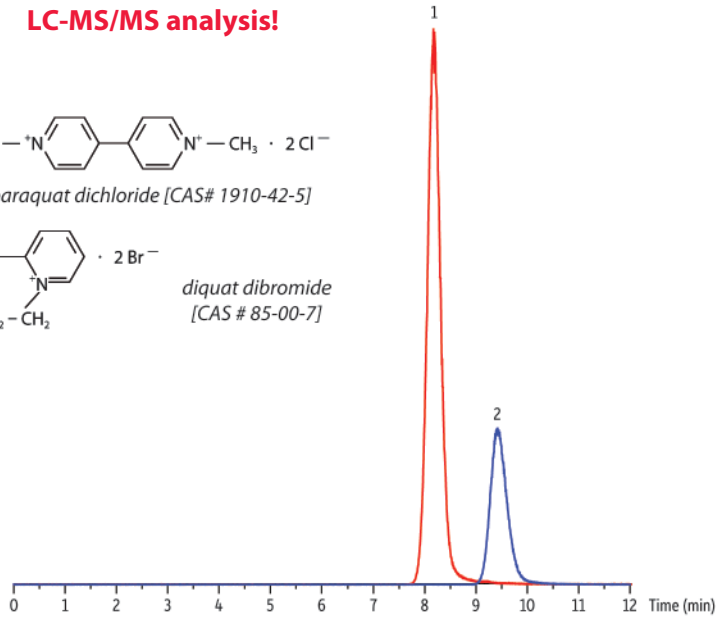
Paraquat and Diquat on Ultra Quat

Fast, sensitive LC-MS/MS analysis!



paraquat dichloride [CAS# 1910-42-5]

diquat dibromide [CAS # 85-00-7]



Peaks	Precursor Ion (amu)	Fragment Ion (amu)	DP (V)	Collision Energy (eV)
1. Diquat	183	157	30	30
2. Paraquat	185	170	20	20

Column	Ultra Quat (cat.# 9181352)
Dimensions:	50 mm x 2.1 mm ID
Particle Size:	3 µm
Pore Size:	100 Å
Temp.:	ambient
Sample	
Diluent:	DI Water
Conc.:	5 µg/mL each component
Inj. Vol.:	10 µL
Mobile Phase	10 mM heptafluorobutyric acid:acetonitrile (95:5)
Flow:	0.3 mL/min
Detector	Applied Biosystems/MDS Sciex LC-MS/MS
Model #:	API 3200™ MS/MS system
Ion Source:	Electrospray
Ion Mode:	ESI+
Ion Spray Voltage:	5.5 kV
Curtain Gas:	15 psi (103.4 kPa)
Gas 1:	70 psi (482.6 kPa)
Gas 2:	60 psi (413.7 kPa)
Source Temp.:	600 °C
Mode:	MRM
Dwell Time:	200 ms
Instrument	Applied Biosystems/MDS Sciex LC-MS/MS System
Notes	Collision exit potential: 3V Q1/Q3: unit resolution

Acknowledgement

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