

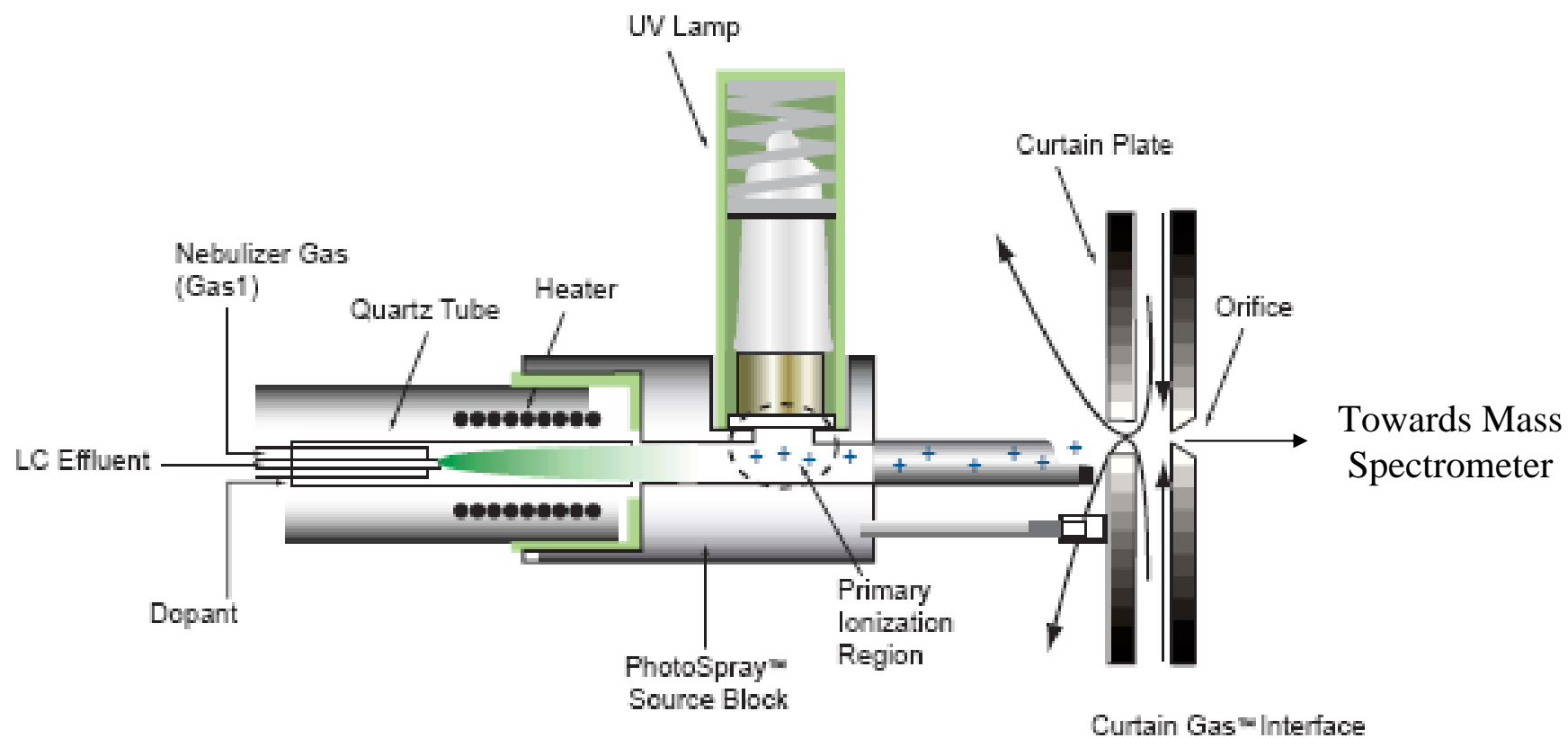


# Atmospheric pressure photoionization of peptides studied by mass spectrometry

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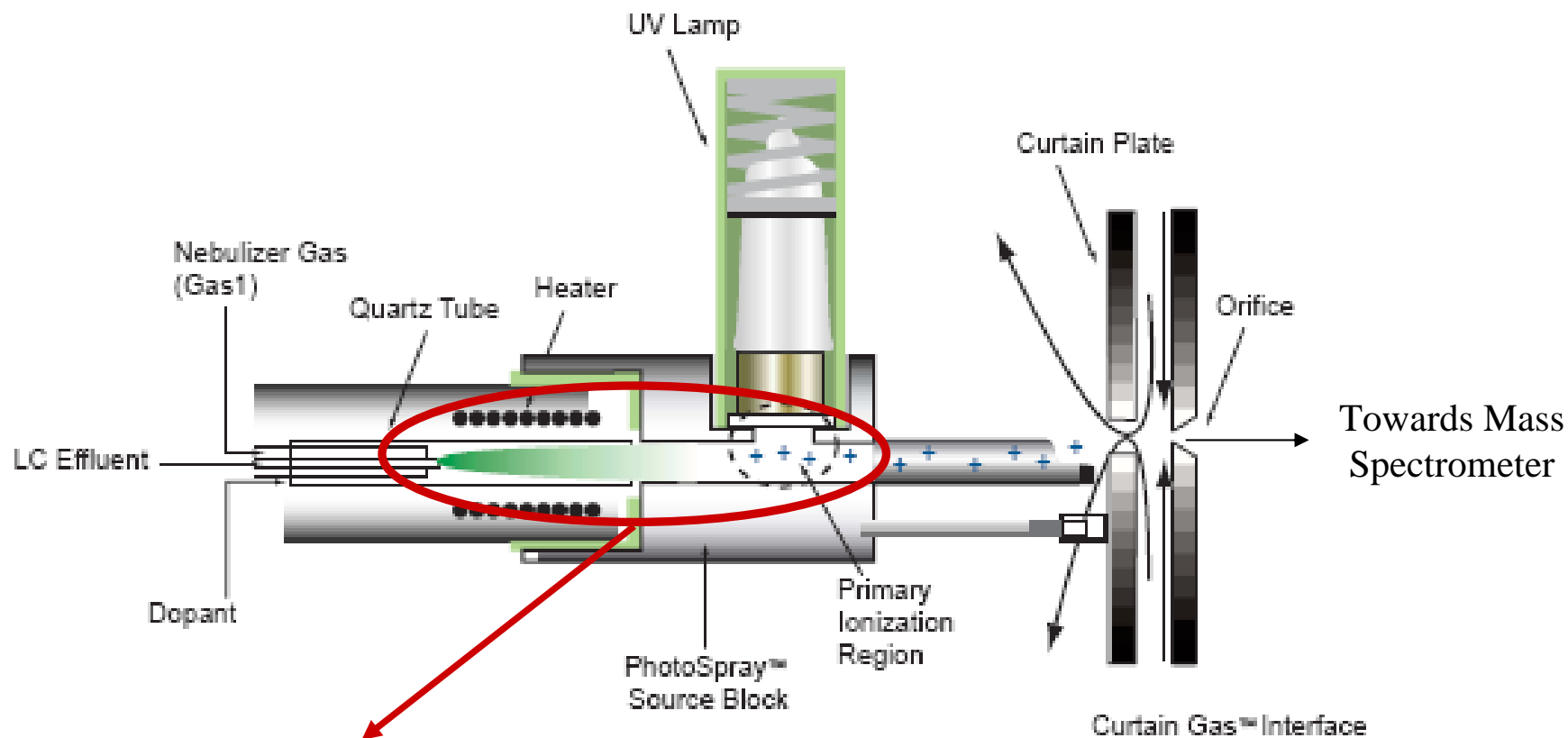
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# The Atmospheric Pressure Photoionisation Source - Sciex™



Robb, D.B. ; Covey, T.R. ; Bruins, A. P., *Anal. Chem.*, 2000, **72**, 3653-9

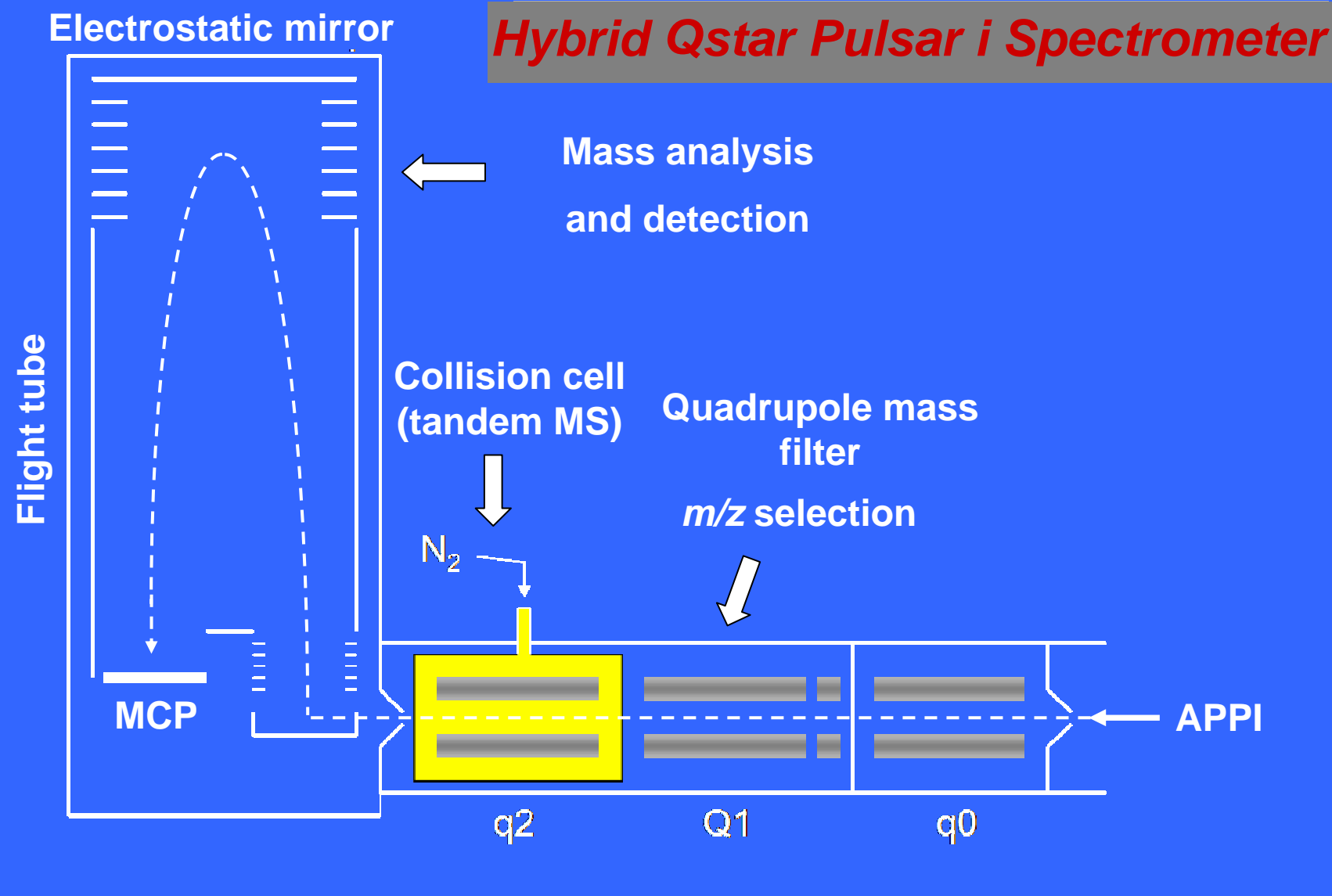
# The Atmospheric Pressure Photoionisation Source - Sciex™



Photoionisation at 10 eV (Kr discharge lamp) on a spray

- may vary from a “mist” to a gas phase.
- dense medium and high pressure compared to usual gas phase photoionisation experiments.
- samples are solvated in the ionisation region

# Hybrid Qstar Pulsar i Spectrometer



# Photoionisation of peptides

Peptide E1: Transmembrane fragment of a hepatitis C virus protein

**GAHWGVLAGIAYF****SMVGNWAK**-NH<sub>2</sub>

Monoisotopic Mass : 2233,13 Da

