

Corrigendum Notice

Ref : NIT No. : IACS / TRC / ESI-ion mobility-MS / 2016-17 / 37 Date:02/09/2016

REVISED TECHNICAL SPECIFICATION :

1. Ion Source: Electrospray ion source. Ions are to be introduced into the system directly and must have ability to switch polarity. UHPLC system can be quoted as an option and it should be of the same Manufacturer.
2. Gas generator: An efficient gas (Nitrogen) generator with built in compressor and flow control.
3. Mass spectrometer: Quadrupole and Time-of-Flight combined system, and must be capable to providing MS/MS spectra. Mass accuracy must ~ 1 ppm, and mass resolving power of the combines system must be $> 40,000$. Quadrupole mass range 3000 m/z or better and TOF mass range about 10,000 m/z . Instrument should be capable to measure mass spectra and ion mobility of a native protein.
4. Ion mobility separation: The ion mobility resolving power should be better than 50 and must provide unambiguous CCS values of molecular and cluster ions.
5. Software: Control software for operations of the mass spectrometer in MS, MS/MS and ion mobility modes. Data processing software, elemental composition calculation, isotope pattern modelling, structure elucidation, capable to discover exact parent ion mass in MS/MS operation and neutral loss, assigning structures by taking fragment ion spectra into account. For ion mobility, suggestions for possible structures and theoretical CCS values along with experimental estimates.
6. Warranty: Full warranty for three years, both for mass spectrometer and nitrogen generator.
7. UPS: Minimum 10 kVA for 60 minutes backup.

Service Facility : Supplier should mention the details of their service setup and man powers in India, preferably Kolkata