

Agilent 6470 LC-TQ



Agilent 6470 Specifications

- Ionizations modes
 - a. Agilent Jet Technology (AJS-ESI)
 - b. Atmospheric Pressure Chemical Ionization (APCI)
- Dedicated Acquisition modes
 - a. MRM (static, dynamic, triggered)
 - b. SIM
 - c. MS1 scan, MS2 scan
 - d. Product ion scan
 - e. Neutral loss scan & Neutral gain scan
 - f. Precursor ion scan
- Mass ranges from 5- 3,000
- Mass accuracy
 - a. 0.1 Da from m/z 5 to 1,000
 - b. 0.2 Da from m/z 1,000 to 2,000
 - c. 0.3 Da from m/z 2,000 to 3,000
- The dynamic range greater than 6.0×10^6
- Mass stability
 - a. Pos Mode: <0.1 Da in 24 hours up to m/z 2,122
 - b. Neg Mode: <0.1 Da in 24 hours up to m/z 2,234

- Maximum scan rate of at least 17,000 Da/second
- Minimum MRM dwell time of 0.5ms
- Sensitivity in positive ion mode such that a 1 pg injection of reserpine
 - a. S/N ratio of at least 350,000:1.
- Sensitivity in negative ion mode such that a 1 pg injection of chloramphenicol
 - a. S/N ratio of at least 350,000:1.
- Instrument detection limit (IDL) in positive ion mode of less than 4 fg for a 10 fg injection of reserpine.
- Instrument detection limit (IDL) in negative ion mode of less than 4 fg for a 10 fg injection of chloramphenicol
- Acquires 450 MRM transitions per time segment and up to 13,500 MRM transitions per method. In addition, must allow for acquisition of 500 MRMs/second.
- Polarity switching (electronics) capability of <25 ms

Agilent 1290 Specifications:

- Agilent 1290 Infinity Binary UHPLC System
- **Maximum pressure of 1200 bar!**
- Detectors: DAD
- Settable flow rate ranges from 0.001-5mL/min
- Continuous pump head and needle and seat wash
- TCC Capability for standard bore and capillary columns to 300mm
- TCC temperature range from 5°C below ambient to 80°C

Contact the TRACES Manager for full details.