

GAS CHROMATOGRAPH – MASS SPECTROMETER (GC-MS)

Sr#	Description	Qty
1	<p><u>Gas Chromatograph – Mass Spectrometer (GC-MS):</u></p> <ul style="list-style-type: none"> • GC-MS instrument with windows based licensed software • EFC or electronic pneumatic control for injector and detector modules • Temperature Programmed Column Oven: from ambient to 450 °C, Injector Port for Capillary Column • PTV injector: both split and split less mode • One MS Capillary Column: 30m length, 0.25mm ID, 0.25 µm thickness, equivalent to DB-5 • Quadruple MS System • Mass Range: m/z 1-1000 amu or more • Scan rate: > 20,000 amu/sec • Ionization Mode: EI • Performance specification to be demonstrated during installation: EI full scan sensitivity 1pg, Instrument detection limit 10fg • Electron Energy up to 200 eV • Single Turbo Molecular Pump • MS Data Collection: full scan, selected ion monitoring SIM, simultaneous full scan selected ion monitoring SIFI • GC-MS Sensitivity Test Mixture • GC-MS Startup Kit • MS Windows based original licensed software with branded Dell Desktop PC and printer • Mass spectral libraries NIST (latest version) • A dual stage gas regulator • Consumables: Relevant nuts, ferrules, tubing, column cutter, injector glass liner, O-rings, EI filaments, vials, syringe, septa for injector, MS tool kit, GC tool kit • Manuals in English language • Spares and consumables for mass spectrometer • Installation by Factory Engineers • Free one year post installation repair and maintenance service • Warranty: one year 	One Complete System