


Supply and installation of Lab Equipments under DBT Project entitled "Enhanced production of anticancer flavones- Baicalein, Chrysin and Oroxylin A, from *Oroxylum indicum* tissue culture and studies on its chemopreventive activities"

Ref No. ADPC/0336/2020-21/DBT/TEND.

Dated 23-02-2021

Specification of Items

S. No.	Items	Specification
1	HPLC system with PDA detector	<p>The system should be controlled by Workstation / Network based chromatography software, HPLC system should also work in UHPLC mode w/o changing any part, Better and higher specification will be given preference, System should be upgradeable for hyphenation with LC-MS/MS or HRMS from the same manufacturer.</p> <p>Pump should support a pressure of minimum 700 bar (10,000 psi) in the flow range 0.001/min to 10ml/min or better, Pump should be low pressure Quaternary Pump with serial dual piston mechanism of pumping.</p> <p>Manual injector with analytical loop 20ul, 100ul, 500ul, 1000ul, 2000ul loops with 100ul, 500ul, 1000ul HPLC syringe with stand accessories.</p> <p>Photo Diode Array Detector: The detector must typically provide a linear range up to 2.5 AU or better, Wavelength range 190-800nm or better, Multiple Photodiodes for better spectral resolutions bringing 0.7nm spectral band width or better, detector must provide a data collection rate of up to 120Hz or better.</p> <p>Licence version of Chromatography data system software.</p> <p>Suitable C18 Column with Guard Column, analytical and preparative</p> <p>Accessories: PC – Processor Intel Core i3 8TH Generation Chipset OEM, OS Win 10 Professional (License Version)- 64 Bit, Suitable laser jet printer, Suitable online UPS, Solvent and sample filtration kit with vacuum pump</p> <p>Submitted model should have international CE and ISO certificates. Should have official service support facility in Guwahati or nearby.</p>
2	UV- Vis spectrophotometer	<p>The system should be a Double-beam geometry</p> <p>Spectral Bandwidth: 2nm</p> <p>Light Source: High intensity Xenon flash lamp, 3-year warranty (5 years typical lifetime)</p> <p>Detector: Should be Dual Silicon Photodiodes detector.</p> <p>Wavelength Range 190–1100 nm or better</p>


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