



GUJARAT TECHNOLOGICAL UNIVERSITY
Graduate School of Pharmacy
Sophisticated Analytical Instrument Facilities
(SAIF)

Testing rates (Effective from A.Y. 2020)

All the communication including queries and results of sample study must be made with saif-gsp@gtu.edu.in

Graduate School of Pharmacy, Gujarat Technological University Sophisticated Analytical Instrument Facilities (SAIF)					
Sr. No.	Instrument Facility with make & model	Type of Measurement	Minimum sample Qty required	Testing Rates (Rs.)	
				Industry rate	Academic rate
1	UV Vis Spectrophotometer, UV -1900, Shimadzu	200 - 900 nm Absorption and Transmission mode	20 mg	Rs. 500 per hour	Rs. 250 per hour
2	FTIR Spectrophotometer, IR spirit, Shimadzu	7,800 to 350 cm ⁻¹ absorbance and transmission mode	20 mg	Rs. 500 per sample	Rs. 250 per sample
3	Milipore /Water Purification System	Deionised water	-	Rs. 200 per Litre	Rs. 100 per Litre
		HPLC Grade Water	-	Rs. 400 per Litre	Rs. 200 per Litre
4	Dissolution Apparatus USP I and II, LabIndia	Dissolution study	-	Rs. 400 per hour	Rs. 200 per hour
5	Refrigerated Centrifuge, CPR- 24 Plus, REMI	Centrifuge biological samples	Small volume Rotor :	Rs. 400 per cycle	Rs. 200 per cycle
		Centrifuge Aqueous sample	1.5 mL, Large volume rotor: 15 mL	Rs. 200 per cycle	Rs. 100 per cycle
6	High Performance Liquid Chromatography (HPLC), Agilent 1260 Infinity, Quaternary	Using C-18, PDA detector Analytical Qualitative	20 mg	Rs. 800 per sample	Rs. 400 per sample
		Using C-18, C-8 and PDA detector Analytical	20 mg	Rs. 1000 per sample	Rs. 500 per sample

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	gradient system for mixing 4 solvents, 600 bar	Quantitative			
		Sample preparation Charge (It will be extra from method to method)	-	Rs.100 Per sample	Rs. 100 Per sample
7	HPLC	Method development and validation package	2 gm	As per requirement and case to case basis	
8	UHPLC Agilent 1290 Infinity, Quaternary gradient system for mixing 4 solvents, 1300 bar UHPLC	Analytical Columns (Zorbax Eclipse Plus) C18 4.6 x 250 mm, 5 μ C8 4.6 x 150 mm, 5 μ C18 2.1 x 150mm, 1.8 μ C18 2.1 x 100mm, 1.8 μ C18 2.1 x 50mm, 1.8 μ	20 mg	Rs. 1000 per sample	Rs. 500 per sample
		(Zorbax Bonus RP) Rapid Res. 2.1x150mm, 1.8 μ (for most difficult basic Compound)		Rs. 1200 per sample	Rs. 600 per sample
		(Zorbax HILIC Plus) Rapid Res. 2.1x150mm, 1.8 μ (For polar hydrophilic compounds)		Rs. 1200 per sample	Rs. 600 per sample
		Pursuit XRs Ultra 2.8 Diphenyl 150 x 2.0 mm Pursuit XRs Ultra 2.8 Diphenyl 100 x 2.0 mm		Rs. 1200 per sample	Rs. 600 per sample
		(Infinity Poroshell 120 Chiral –CD) (For separation of Isomer compound)		Rs. 1500 per sample	Rs. 750 per sample

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9	UHPLC	Method development and validation package	2 gm	As per requirement and case to case basis	
8	HPTLC system with, ATS4 – Autosampler, ADC – Automatic development chamber, Photovisualizer – Photo documentation CAMAG derivatizer, CAMAG TLC-MS Interface 2	Chromatographic separation	-	-	-
	HPTLC with Twin through chamber	Aluminium HPTLC Silica gel 60F ₂₅₄ plates (Single wavelength) 10x10 cm	20 mg	Rs. 1250/-	Rs. 625/-
		Aluminium HPTLC Silica gel 60F ₂₅₄ plates (Single wavelength) 20x10 / 10x20 cm		Rs. 2500/-	Rs 1250/-
		Aluminium HPTLC Silica gel 60F ₂₅₄ plates (Single wavelength) 20 x 20 cm		Rs. 5000/-	Rs. 2500/-
		Glass HPTLC Silica gel 60 F ₂₅₄ plates (Single wavelength) 10x10 cm		Rs. 1500/-	Rs. 750/-
		Glass HPTLC Silica gel 60 F ₂₅₄ plates (Single wavelength) 20x10 / 10x20 cm		Rs. 3000/-	Rs. 1500/-
		Glass HPTLC Silica gel 60 F ₂₅₄ plates (Single wavelength) 20x20 cm		Rs. 6000/-	Rs. 3000/-

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	HPTLC with Automatic development chamber (ADC 2) (For Humidity and Temperature Control) and/or CAMAG derivatizer (Piezoelectric spray)	Additional charges	-	Rs. 400/- per plate	Rs. 200/- per plate
	HPTLC with band elution by TLC –MS interface 2	Additional charges	-	Rs. 600/- per band	Rs. 300/- per band
	Extra Wavelength Scan	Additional Charges	-	Rs. 300/- per Wavelength	Rs. 150 per Wavelength
9	HPTLC	Method development and validation package	2 gm	As per requirement and case to case basis	
	Note: If HPTLC plate is to be provided from customer side, plate charges will be less for Rs. 100/- for 10 x 10 cm plates, Rs. 200/- for 20x10/10x20 cm plate and Rs. 400 for 20x20 cm plate.				
10	Particle Size Analyzer with zeta potential measurement (Microtract, Nanotrac – II) (Range 0.8 to 6500 nm)	Particle size Measurement	2 gm or 2 mL	Rs. 700/- per sample	Rs. 350/- per sample
		Zeta potential measurement		Rs. 700/- per sample	Rs. 350/- Per sample
11	UHPLC –MS/MS With ESI/APCI probe 1290 Agilent Infinity II 1300 bar & 6470 QQQ (Agilent Technologies Pvt. Ltd)	Direction Injection Mass	20 mg	Rs. 1500/- per sample	Rs. 750 per sample
		Direct Injection MS/MS		Rs. 2000 per sample	Rs. 1000 per sample
		LC-MS/MS (Method to be provided)		Rs. 3000/- per sample	Rs. 1500 per sample
		Bio works	50 mg	Rs. 4000 per sample	Rs. 2000 per sample
		Extra Mass spectra		Rs. 200 per peak	Rs. 100 per peak
		Sample preparation charge (It will be extra from			Rs. 200/- per sample

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		method to method)		
		Note: LC-MS/MS method to be provided by customer		
12	UHPLC –MS/MS	Method development and validation package	50 mg	As per requirement and case to case basis

Terms and Condition

Rules and Regulations for testing facilities

- 1) No sample will be analysed without advance payment.
- 2) For project cost will be decided as per the discussion held with Project coordinator at GTU-GSP. Final Project Cost will be calculated/decided after the completion of the project. Balance amount to be paid before collection of the report from the SAIF coordinator.
- 3) Payment will be done only no any other mode is accepted. The GST rate will be charged extra.
- 4) All concern person, research fellows and students are advised to send their application and sample through supervisor or head of department. The request must be made only on University/College letter/industry Head/pad.
- 5) Samples and payment receipt and other documents should be sent preferably in the same cover. Separate sample should be sent for different analysis. The sample will be also accepted in person.
- 6) The sample name/batch no/ required analysis should be clearly mentioned on sample/requisition form.
- 7) Sample preparation and method development will be charged extra. Varies from material to material and method to method depending on the sample, if required so. Charges will be quoted on a case to case basis.
- 8) The analytical data/spectra are provided only for research/development purpose. These cannot be used as certificates in legal disputes.
- 9) Radioactive material should be clearly mentioned and handed over personally.
- 10) Unstable and explosive compounds are not accepted for analysis.
- 11) Interpretation of results is not undertaken normally, if required charge extra.
- 12) It is also desirable that analysis work done using SAIF – GRADUATE SCHOOL PHARMACY should be acknowledged in the publication thesis and a note in this regard may kindly be to this Centre voluntarily to update the information. For onward transmission to DST/UGC/AICTE etc.