



**BILLING RATES - FY 22/23**

**DEPARTMENT NAME :**

**SCBIOMAT Bioengineering**

**VICE-PRESIDENT AREA :**

**Provost-Academic Affairs - CECAS[College of engineering, Computing and Applies Science]**

<b>DESCRIPTION OF COMMODITY OR SERVICE :</b>	<b>UNIT OF BILLING</b>	<b>FY 22/23 RATE</b>	<b>CUSTOMERS BEING SERVED</b>
<b>Analytical and Physical Testing Laboratory</b>			
<b>External Rates</b>			
AAAnalyst 200 (non-tissue samples), PE	per instr hour	\$99.00	Industrial companies
Goniometer DSA 20E (Kruss)	per instr hour	\$30.00	Industrial companies
CD Polarimeter Jasco J-810	per instr hour	\$103.00	Industrial companies
Ellipsometer, variable angle, Sopra GES 5	per instr hour	\$105.00	Industrial companies
FTIR, Jasco J-480	per instr hour	\$87.70	Industrial companies
HPLC (Waters)	per instr hour	\$102.00	Industrial companies
MTS Synergie 100	per instr hour	\$42.00	Industrial companies
Plasma cleaner, expanded, with Plasma Flo	per instr hour	\$75.00	Industrial companies
SPR Biacore X100	per instr hour	\$57.00	Industrial companies
Refractometer AR700, Reichert	per instr hour	\$33.00	Industrial companies



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<b>Internal Rates</b>			
AAAnalyst 200 (non-tissue samples), PE	per instr hour	\$27.50	Clemson University faculty, students and staff
Goniometer DSA 20E (Kruss)	per instr hour	\$25.00	Clemson University faculty, students and staff
CD Polarimeter Jasco J-810	per instr hour	\$31.00	Clemson University faculty, students and staff
Ellipsometer, variable angle, Sopra GES 5	per instr hour	\$33.00	Clemson University faculty, students and staff
FTIR, Jasco J-480	per instr hour	\$22.60	Clemson University faculty, students and staff
HPLC (Waters)	per instr hour	\$31.00	Clemson University faculty, students and staff
MTS Synergie 100	per instr hour	\$30.00	Clemson University faculty, students and staff
Plasma cleaner, expanded, with Plasma Flo	per instr hour	\$27.00	Clemson University faculty, students and staff
SPR Biacore X100	per instr hour	\$33.00	Clemson University faculty, students and staff
Refractometer AR700, Reichert	per instr hour	\$22.00	Clemson University faculty, students and staff

All charges exclusive of supply and method development

Cost based on instrument hour and facility personnel time is averaged, and will depend on a sample.



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Malvern Zeta sizer (CUID:220612)	per sample	\$14.00	Industrial companies
Freeze Dryer (Lyophilizer, Labconco), CUID:221028	port/flask used for 72 hou	\$10.00	Industrial companies

*This instrument has 16 ports, and freeze drying depends on time. Each port connects to the flask of various volumes.*

*Few samples can be placed into one flask, but time which used for freeze drying doesn't depend on sample number in one flask.*

*Therefore we calculate the usage by port/flask occupied for any amount of samples fit in the flask for 72 hours,*