

**CLEMSON**  
UNIVERSITY  
**BILLING RATES - FY 23/24**

**DEPARTMENT NAME :**  
**BioEngineering-BioE Atomic Microscope**

**VICE-PRESIDENT AREA :**  
**Provost-Academic Affairs - CECAS[College of Engineering, Computing and Applies Science]**

DESCRIPTION OF COMMODITY OR SERVICE :	UNIT OF BILLING	FY 23/24 RATE	CUSTOMERS BEING SERVED
Printing Color Posters in Various Sizes	per each	\$25.00	C.U. Departments
Histopathology Laboratory Professional Services	per day	\$525.00	Businesses and Universities
Histopathology Laboratory User Fee	per hour	\$15.00	C.U. Departments
Histological Slide Preparation of Soft Tissues (max. 10 slides/block)	per each	\$30.00	Funded Projects and Industry
<b>Histological Slide Preparation of Hard Tissues</b>			
Small block (max.2 slides/block)	per each	\$356.00	Funded Projects and Industry
Large block (max. 2 slides/block)	per each	\$356.00	Funded Projects and Industry
Ethylene Oxide Sterilization	per batch	\$35.00	C.U. Departments
<b>Fermentation</b>			
Use of fermenter w/o technical assistance	day	\$15.00	CU Departments
Use of fermenter w/o technical assistance	day	\$100.00	External Companies
Basic fermentation with technical assistance (including ambr250HT bioreactor)	hour	\$35.00	CU Departments
Basic fermentation with technical assistance (including ambr250HT bioreactor)	hour	\$60.00	External Companies
Professional fermentation with technical assistance (including ambr250HT bioreactor)	hour	\$140.00	CU Departments
Professional fermentation with technical assistance (including ambr250HT bioreactor)	hour	\$215.00	External Companies

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Purification or sample analysis of material produced from fermenters	hour	\$35.00	CU Departments
Purification or sample analysis of material produced from fermenters	hour	\$60.00	External Companies
Use of ambr250HT bioreactor system - mammalian fed-batch - approx 14 days	each vessels	\$1,550.00	CU Departments
Use of ambr250HT bioreactor system - mammalian fed-batch - approx 14 days	each vessels	\$2,350.00	External Companies
Use of ambr250HT bioreactor system - mammalian perfusion - approx 30 days	each vessels	\$4,500.00	CU Departments
Use of ambr250HT bioreactor system - mammalian perfusion - approx 30 days	each vessels	\$7,200.00	External Companies
Use of ambr250HT bioreactor system - microbial fed-batch - approx 3 to 4 days	each vessels	\$650.00	CU Departments
Use of ambr250HT bioreactor system - microbial fed-batch - approx 3 to 4 days	each vessels	\$1,040.00	External Companies
AA concentrations (using Rebel from 908 devices)	per sample	\$25.00	CU Departments
AA concentrations (using Rebel from 908 devices)	per sample	\$40.00	External Companies
Material Mechanical Testing for basic tensile frame	hour		Outside manufacturers of medical devices and other goods.
Material Mechanical Testing for fram with torsion actuator	hour		Outside manufacturers of medical devices and other goods.
Scanning probe microscopy	per hour	\$34.22	C.U. Departments External Companies

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General laboratory usage	per day	\$660.25	External Companies
3D Printing on ProJet SD3000	hour	\$106.00	External Companies
Olympus IX81 Spinning Disk Confocal Microscope	hour	\$45.00	External Companies
Bose ElectroForce 3200 Test Instrument with technical assistance	hour	\$25.00	CU Departments
Bose ElectroForce 3200 Test Instrument with technical assistance	hour	\$60.00	External Companies
Steris Amsco Lab 250 Autoclave	load/hr	\$48.00	External Companies
Leica Bond Max Automated Immunostainer	per slide	\$10.00	External Customers
Leica Bond Max Automated Immunostainer	per slide	\$20.00	External Customers