

Arkansas Biosciences Institute
Arkansas State University – A-State Labs
Core User Fees – edit effective 7/1/17 (implemented 1/1/17)

RadioChemicals Lab - \$100.00 per month

Beckman Coulter Scintillation Counter, multi-purpose LS 6500

Ludlum Measurements, Inc. Geiger-Muller counter, Model 2

Ludlum Measurements, Inc . Geiger-Muller counter, Model 3

Biometra Hybridization oven, dual chamber, OV5

Techne Hybridization oven, single chamber, FHB2DP

Spectronics Corporation/Spectroline UV Crosslinker, XL-1500

Fisher Scientific Vortexer Genie 2 Mixer, vortex-type, Model G-560

Fisher Brand - Boekel Heater in blocks, for microtubes (Dry bath), Cat. # 110011

Barnstead/Thermolyne Heater, plate, CIMAREC™ 2, HP46825

Corning Hot plate stirrer, PC-351

Beckman Coulter Centrifuge, microtubes, Microfuge® 18

Precision Water bath incubator, Microprocessor Controlled 280 Series, Cat # 51221046

American Int'l Electric Plastic bag sealer, AIE-300

Mini Refrigerators

Cost of badges and testing will be billed separately from College of Science & Mathematics.

No other supplies will be provided by ABI.

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Imaging Lab

- - - **Items 1 & 2 = \$100 per month** - - -

1. Nikon Upright Microscope, Eclipse E800
Roper Scientifics Camera for microscope. Attached to Nikon E800 microscope, CoolSnap HQ
Photometrics
Computer workstation w/Nikon Elements software
2. Leica Upright Microscope, DMR-type:020-525.732
Leica Digital camera for microscope, DFC340 FX

- - - **Items 3, 4, 5, & 6 = \$200 per month** - - -

3. BioTek Cytation 5 Biomager
4. Nikon Inverted Microscope, Eclipse TE2000u (T-DH)
Nikon Digital DS-Qi1Mc camera (DS cooled camera head)
Nikon Digital DS-Fi2 color camera
Led light source X-Cite 120 LED (Lumen Dynamics Group Inc., Model XT120L)
Computer workstation w/Nikon Elements software
5. Zeiss Inverted Microscope, Axiovert 200M
Ludl Electronic Confocal cell imaging microscopy kit CARV II. Attached to Zeiss microscope, 136940
The Cooke Corporation PCO Digital camera for microscope, SensiCam QE.
6. BD Bioimager, Pathway 855
Olympus Objective/lens

- - - **Item 7 = \$25 per month** - - -

7. Olympus Microscope w/infrared detection, upright w/Smiths Detection, Illuminat IR II FL, BX51TRF
Smith's Detection adapter (Infrared), ILLUMINAT IR II FL
Color View Camera, attached to Microscope Olympus

- - - **Items 8, 9 & 10 = \$10 per month** - - -

8. Nikon Stereoscope, SMZ 1500 (P-BERG)
Scion Corporation Color digital camera D100, attached to Nikon SMZ 1500, CFW-1312C
9. Nikon Stereoscope, SMZ 1000
10. Nikon Stereoscope with lens HR Plan Apo 0.5X, WD 136 and White light fluorescent attachment (Micro-Lite®
FL-100), SMZ 1500

CO2, Lens Paper, Ethanol, and immersion oil is provided.

No other supplies will be provided by ABI.

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Flow Cytometry Lab

BD Biosciences Cell sorter/flow cytometer, FACS Aria™ = \$170 per month

BD Biosciences Flow cytometer, FACSCalibur™ 4C = \$30 per month

CO2 is provided.

No other supplies will be provided by ABI.

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Genomics Lab - \$100.00 per month

Thermo Fisher Scientific DNA/RNA/protein quantifier, Nanodrop One, ND-1000

Thermo Fisher Scientific DNA/RNA/protein quantifier, Nanodrop ND-8000

Labconco Purifier Vertical Clean Bench, Cat # 3970301

Bio-Rad Real-time PCR system, 96 samples, C1000 and CFX96

Bio-Rad Real-time PCR system, 384 samples, C1000 and CFX384

No other supplies will be provided by ABI.

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Proteomics Lab

- - - **Items 1, 2, 3, 4, 5 & 6 = \$20 per month - - -**

1. BioTek Microplate reader UV-vis spectrum, Epoch
2. Perkin Elmer Spectrophotometer, UV-Visible, Lambda 25
3. Konica Minolta Automatic film developer, 2nd floor, SRX-101A (backup)
4. Konica Minolta Automatic film developer, 3rd floor, SRX-101A
5. BMG*LABTECH, Microplate reader UV, visible, fluorescence, POLARstar, FLUOstar OPTIMA
6. Power supplies and electrophoretic chambers for analyses

- - - **Item 7 = \$15 per month - - -**

7. Bio-Rad Protein Array system, Bio-Plex, HTF SYSTEM

- - - **Item 8 = \$25 per month - - -**

8. Beckman Coulter Ultracentrifuge, Optima L-90K

- - - **Items 9, 10 & 11 = \$90 per month - - -**

9. Sorvall High-speed centrifuge Lynx 6000 (Cat # 75006590)
10. Sorvall High-speed centrifuge Evolution 208-60 LCD, 2nd floor
11. Sorvall High-speed centrifuge Evolution 208-60 LCD, 3rd floor

No other supplies will be provided by ABI.

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Incubator/Biological Safety Cabinets, BSL2 Labs - \$75.00 per month

NuAire BSC, Class II, type A2, NU-425-600

NuAire Incubator CO2 (single chamber), NU-5510

Nikon Microscope, inverted, TS-100LED-F MV

Beckman Coulter Centrifuge, table top, Allegra 6R

Fisher Scientific Refrigerator at +4 °C, 13-986-138G

Thermo Scientific Cryogenic tank, Locator JR, CY50956

USA Scientific Microcentrifuge (for spin-downs), SD

Barnstead/Lab-Line Rotator, 3-D, 4630

Barnstead/Thermolyne Vortexer Maxi Mix II, Type 37600, Model M37615

Fisher Scientific Water bath incubator Isotemp 110, Cat # 15-460-10

NuAire BSC, Class II, type A2, N4-437-600

Zeiss Inverted Microscope, Axiovert 40C

Beckman Coulter Centrifuge, Allegra 6KR

NuAire BSC, Class II, NU-437-600

Thermo Scientific Incubator CO2, HERAcell Vios 160i

Zeiss Inverted Microscope, INVERTOSKOP 40C

Labconco BSC, Class II, 3440809

VWR Incubator CO2, Symphony, Cat # 98000-362

Zeiss Inverted Microscope, Primo Vert

Thermo Scientific Centrifuge, CL2

Thermo Electron Corp. Water bath incubator, Precision, model 284

Invitrogen (Life Tech) Automated cell counting system, Countess, Cat # C10281

Thermo Fisher Scientific, CO₂ incubator Hera Vios 160i (5 units)

CO₂ gas is provided. No other supplies will be provided by ABI.

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Clean Bench Hoods - \$50.00 per month

The Baker Company Clean bench hood, 8 ft, EdgeGARD - EG-8252

The Baker Company Clean bench hood, 6 ft, EdgeGARD - EG-6320

Thermo Electron Corporation Biological Safety Cabinet, Class II, Type A2, 1284

Bio-Rad Cell transformation system by helium gas (Biolistic® Particle Delivery System), PDS-1000/He

The Baker Company Clean bench hood, EdgeGARD - EG-6252

The Baker Company Clean bench hood, EdgeGARD - EG-63201

Nuaire Clean bench hood, Series 14 - NU-301-630

Nuaire Clean bench hood, Series 20 - NU-301-630

Helium gas is provided.

No other supplies will be provided by ABI.

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Liquid Nitrogen - \$1.00 per liter

Dispensing of liquid nitrogen will only be provided by the main ABI office personnel. Preparation and planning is necessary since this will not be available after hours. Reasonable scheduled accommodations will be provided during holiday breaks.

No containers or other supplies will be provided by ABI.

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Growth Chamber Fees

	Chamber fee per month	Per Shelf fee per month
Adaptis (2 shelves) – Conviron	\$30	\$15
Small double stacked - Conviron	\$45	\$22.50
Small white chamber (3 shelves) - Percival	\$60	\$20
2 Shelves -Conviron	\$90	\$45
3 Shelves - Conviron	\$120	\$40
Tissue Culture (4 Shelves) - Conviron	\$155	\$38.75
Walk-In (12 Shelves) - Percival	\$195	\$16.25

- These are the monthly prices for the whole chamber or per shelf. If you don't need a whole chamber then you will be charged by shelf (which can be figured by dividing the price by how many shelves are in the chamber). The greenhouse manager will verify charges.
- If you do not rent the entire chamber, others will be allowed to rent shelves from that same chamber. Keep in mind, if you should want more space in that same chamber at a later date, it will only be possible if it is not already being used. If your experiment requires plants to have "special needs" (temperature, light, or volatiles), then it will require the rental of the entire chamber.
- The chamber space rental will expire at the end of the project. If your project is finished and you resubmit for that project, you must also resubmit the growth chamber space request form.
- No space will be assigned to a user permanently.
- Growth chamber users are responsible for the routine care and watering of their plants.

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Infiltration Chamber Fees

	Fee per tray per week	Fee per tray per day
ABI Labs	\$1.25	\$0.20

- These are the weekly/daily prices for one tray. If you have the tray (or trays) in the chamber for 5 or more days, you will be charged the weekly price. If you have the tray (or trays) in the chamber for 4 or less days, you will be charged the daily price. The greenhouse manager will verify charges.
- Keep in mind; you will be sharing the chambers with others. If your experiment requires plants to have “special needs” (temperature, light, or volatiles), then it will require the rental of the entire chamber.
- No space will be assigned to a user permanently.
- Chamber users are responsible for the care and watering of their plants.

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Greenhouse Fees

	Bench fee per month
Standard Bench (12.5 ft ²)	\$8.75
Small 5' Bench (10 ft ²)	\$7.00
Large 6' Bench (12 ft ²)	\$8.40

- The price for renting greenhouse space will be \$0.70 per square foot per month for bench space/floor space. The greenhouse manager will verify charges.
- You must use a minimum of one bench. There are three sizes of benches. A standard size bench is 12.5 ft². Shorter benches, used for taller plants such as corn, come in two sizes. A larger bench is 12 ft² and a smaller bench is 10 ft².
- If you do not rent the entire greenhouse, others will be allowed to rent shelves from that same space/floor space from that greenhouse. Keep in mind, if you should want more space in that greenhouse at a later date, it will only be possible if it is not already being used. If your experiment requires plants to have “special needs” (temperature, light, or volatiles), then it will require the rental of the greenhouse.
- The greenhouse space rental will expire at the end of the project. If your project is finished and you resubmit for that project, you must also resubmit the greenhouse space request form.
- No space will be assigned to a user permanently.
- Greenhouse users are responsible for the routine care and watering of their plants.

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Animal Facility

Per Diem rates are charged on a daily basis by the number of cages on each protocol. If at any time you have questions about how charges will occur, please contact the Animal Facility Manager for guidance. Each month Principal Investigators will be billed for the animals housed in the Animal Facility. The AF staff will keep a log for each protocol with the number of cages and the size; however it is in the best interest of the PI's to keep a log as well.

The Animal Facility Manager will check all cages daily for overcrowding, sick or dead animals, and anything that may be of importance to the researchers. Any problem that is found by the Animal Facility Manager will be conveyed to the PI via phone and email allowing ample amount of time for the PI to correct the problem. If, the PI does not correct the problem by the given time, the PI should expect to be charged for the AF staff to correct any issues.

Prior to animals being housed in the AF, the research should fill out all required paper work and have the appropriate signatures. Remember that if a particular room is request it will only be for the duration of the trial, no room will have a designated permanent user. The AF has limited space and will not make special arrangements for a user to have one room if there is already limited space.

ANIMAL PER DIEM RATES

Type of Caging	Daily Rate (Per cage)
MICE	
Regular (Max 5 mice/cage)	.85
Isolation/ Autoclaved caging	1.38
Large cage (Max 7 mice/cage)	1.10
RATS	
Regular (Max 2 rats/cage)	1.15
Isolation/ Autoclaved caging	1.50
Large cage (Max 4 rats/cage)	1.70

**Rates include: All daily cost (Feed, Water, Electricity and enrichment) and cage change out.

Service Charges

Drugs and Supplies: All supplies provided by the animal facility are included in the procedure room fee. Drugs and supplies that are specific to any research are paid for by the Principal Investigator.

Technical Time: Veterinarian- Cost is determined by the veterinarian.

Procedure Room Fee: \$1.50/ hour (Includes the use of Oxygen and CO2 and equipment and supplies provided by ABI- Animal Facility)

Weaning/Overcrowding fee: If a cage needs to be weaned or is overcrowded the animal facility manager will contact the Principal Investigator with a reasonable time limit to make changes. If the animals have not been weaned or moved due to overcrowding a fee will apply: \$2.00 cage.

Euthanasia Fee: \$1.00 per animal

Transfer Fees Per Animal (This includes new cage card, new cage and room transfer if needed)

** Researcher will be assessed a fee for the animal(s) they receive from the investigator.

Mice: \$2.50

Rat: \$3.50

Breeding Fee

If you are using animals belonging to ABI- Animal Facility a breeding fee will be charged. Fees will be charged on a per litter basis.

Rodent Breeding Fee: \$2.00

General Notes

1. Charges will be posted monthly. Cages will be counted on a daily basis and researcher will be charged for the number of cages on each day.
2. Any cage removed during the day will be removed from the census on the following day.
3. **All controlled substance must be ordered by the Animal Facility Manager or Hope Phillips.** Please allow 4 week time period to allow controlled substance to be received.
4. A controlled substance order form must be filled out and approved for ordering controlled substance.
5. Breeding logs should be kept by the researcher and copy should be provided to the Animal Facility Manager to keep on file.
6. All users must follow the rules in the animal facility at all times. If you have a questions please ask.
7. The animal facility does have Standard Operating Procedure (SOP). SOPs are located on the table outside the Animal Facility Manager's office. Please be aware of these SOPs and use them as a reference.