

GUIDELINE CPL Equipment and Service Use

North Carolina State University
College of Veterinary Medicine
Central Procedures Laboratory

Approval: Hampton & CPL Subcommittee

Date: December 2012

Request: For use of CPL space, technical support, or equipment please fill out the *CPL Service Request Form* and email the completed form to cplstaff@list.ncsu.edu

Equipment Available: See Appendix A. Use is dependent on availability.

Services Available: See Appendix B. Use is depending on availability.

CPL Map: See Appendix C

Equipment use in LAR facilities (vivarium, procedure space, or CPL)

- CPL equipment can be used in any LAR facility if it can be safely moved and use in the requested location is approved by CPL.
- There is no charge for equipment rental; however, disposable use related to equipment use will be charged at cost + a 17.4% general and departmental administrative cost fee.
- It is expected that the equipment is returned in working condition and clean. Items that are returned dirty will be cleaned by CPL and the user will be charged technician time for cleaning. Some items determined to be a biosecurity risk or require specialized cleaning by CPL will be cleaned by CPL and the user will be charged technician time for cleaning.

Equipment use outside LAR facilities (any space not managed by LAR/CPL)

- CPL equipment can be used in outside LAR facility if it can be safely moved and use in the requested location is approved by CPL.
- To ensure the appropriate care and use of the equipment outside of LAR facilities a LAR or CPL technician must be hired for the duration of the equipment rental.
- There is no charge for equipment rental; however, a standard hourly rate for technician time will be charged and disposable use related to equipment use will be charged at cost + a 17.4% general and departmental administrative cost fee.
- It is expected that the equipment is returned in working condition and clean. Items that are returned dirty will be cleaned by CPL and the user will be charged technician time for cleaning. Some items determined to be a biosecurity risk or require specialized cleaning by CPL will be cleaned by CPL and the user will be charged technician time for cleaning.

Services in CPL

- Charges associated with services include room rental rates and disposables used (charged at cost + a 17.4% general and departmental administrative cost fee).
- Technician time will be charged at a standard hourly rate. This includes, but is not limited to, all time devoted to your request/project after quote development and scheduling. This may include time devoted to project planning, project set-up, procedural technical assistance, patient care (pre, peri, and post-op recovery, medication, acclimation, post-op monitoring, etc.), cleaning not associated with room rental, research staff training and

CPL staff training for project, or ancillary support requested (SOP creation, LAR request, sample submission, sample processing, sterilization, laundry, etc.).

Prioritization

- CPL services and equipment are reserved on a first-come-first served bases
- NCSU-CVM faculty and staff have priority for use of CPL services and equipment; however, it cannot be guaranteed. In order to accommodate all your research, teaching, or testing needs it is imperative that CPL is provided with ample notice to plan for your project and reserve the necessary space and equipment.
- A minimum of **2 WEEKS** notice is recommended
- While in use space and equipment can be used for as long as reserved. Holding space is acceptable for up to **5 business days** (charges will incur for non-NCSU users and holding cannot be guaranteed if NCSU-CVM faculty or staff requests the space/equipment).

Appendix A: Equipment

Category	Equipment Available	Disposables associated with use
Anesthesia Machines	VMS stand mount; isoflurane vaporizer; O ₂ central connection or cylinder	Isoflurane; scavenging granules; oxygen cylinder
	VMS stand mount; isoflurane or sevoflurane vaporizer; O ₂ central connection or cylinder	Isoflurane; scavenging granules; oxygen cylinder
	NAD stand mount; isoflurane vaporizer; O ₂ central connection or cylinder	Isoflurane; scavenging granules; oxygen cylinder
	Rodent multi-use stand mount; isoflurane vaporizer; O ₂ central connection or cylinder	Isoflurane; scavenging granules; oxygen cylinder
	NAD Large Animal stand mount with large animal ventilator; isoflurane vaporizer; O ₂ central connection or cylinder	Isoflurane; scavenging granules; oxygen cylinder; cleaning time
	Mobile Unit (currently not in service, use requires advanced notice)	Isoflurane, scavenging granules; oxygen cylinder; training time
Monitoring	Multi-parameter monitors	Training time, if needed
	Capnography meter	Training time, if needed
	Pulse Oximeter	Training time, if needed
	Blood pressure monitors	Training time, if needed
	EKG monitors	Training time, if needed
	Thermometers (rodent sizes available)	Training time, if needed
Ancillary Support	Fluid pumps	Fluids and connection lines; training if needed
	Syringe pumps	Syringes; training if needed
	Heat support (Bair hugger or water blankets)	Disposable pads, if used
	Induction boxes (cat)	
Rodent Supplies	Temperature monitors	
	Mask	
	Induction boxes	
	Jackets	
	E-collars	
	Restraint tubes	
	Guillotine	
Bench work	Dual headed microscope (4x-100x)	NOT MOBILE
	Fisher microcentrifuge	NOT MOBILE
	Pipets	Pipet tips
	Culture heater	NOT MOBILE
	Gram scale	
	Fume hood	NOT MOBILE
	-80 freezer	NOT MOBILE
	Refrigerator/freezer	NOT MOBILE
	Temperature controlled centrifuge	NOT MOBILE
	Refractometer	
	Glucometer	Test strips; calibration supplies; training if needed
Imaging	Endoscope	Suction; training, if needed; cleaning
	X-ray	NOT MOBILE
Other	Dental machine	Polishing supplies; training, if needed; cleaning
	Large animal hoist	Training
	Web camera	Training; set-up time
	Hoist (agricultural animal)	

Appendix B: Services

Category	Service	Notes*
Technical Support	Project planning; Scheduling; Project set-up; Procedural technical assistance (anesthesia, sedation, radiographs, etc.), Patient care (pre, peri, and post-op recovery, medication, acclimation, post-op monitoring, treatments, etc.); Cleaning not associated with room rental; Research staff training; ancillary support requested (SOP creation, LAR request, sample submission, sample processing, sterilization, laundry, etc.).	Hourly rate
Veterinary Support	Project planning; Advanced procedures (surgical procedures, clinical diagnostics/treatments, etc.)	Hourly rate
Procedural Space	Small research room	~120 ft ²
	Large research room	389 ft ²
Surgical Support	Small animal (<200lbs) operating room with prep room	204 ft ² and 120 ft ²
	Small animal (<200lbs) operating room without prep room	211 ft ²
	Large animal (>200lbs) operating room with induction/recovery space	518 ft ² and 169 ft ²
	Small animal (<200lbs) recovery room	180 ft ²
Storage	Dry storage	
	-80°C Storage	
	4°C Storage	
Radiology	Fuji Smart CR digital	99 ft ²

*Current Rates available upon request