

Research Service Center Newsletter

August 2020

Environmental Health & Safety (EH&S)

Laboratory Equipment

With the reduced amount of usage, several pieces of equipment have been found to be out of calibration. Most of the autoclaves now require a longer cycle to achieve sterilization. The programs have been adjusted and signs have been posted on those autoclaves affected.

The majority of the CO₂ incubators tested this week have been found to be out of calibration. Even though set at 5 percent, the actual level of CO₂ has ranged from 1 percent to 12 percent. EH&S has the Fyrite[®] system. This is a non-invasive system. Please contact us if you would like to have the CO₂ level of your incubator tested.

Lab Safety

Per OSHA Laboratory Safety Standards and the WSU Laboratory Safety Manual, long pants or floor length skirts must be worn at all times in the laboratory. Open toed shoes or sandals are not permitted in the laboratory. Please note that this is not simply a recommendation but a requirement.

EH&S is working to update its websites to provide more information regarding safety programs on the WSU Health Sciences Spokane campus. Please continue to watch for the new website.

Contacts:

- Merle J. Heineke – Phone: 509-358-7889, E-mail: merle.heineke@wsu.edu
- Olga Shiva – Phone: 509-358-7873, E-mail: olga.shiva@wsu.edu

Expanded Central Store

Efforts continue to expand the Central Store for the Spokane campus. The store currently carries ethanol, alcohol, bleach, gloves, histology supplies, and many other consumables. Expansion of the store will provide better prices to the labs and can reduce the amount of supplies stored in the lab.

The most recent example of cost savings is 70 percent ethanol. Currently, most labs purchase 200 proof ethanol at \$26.85/gal and then dilute it to 70 percent. The store can supply 70 percent ethanol at \$17.00/gal. This is a \$9.85 savings.

A website is currently under construction. Recommendations for items to be added to the store are welcome.

Contact:

- Barry Worden – Phone: 509-368-6842, E-mail: barry.worden@wsu.edu

Vivarium/Program of Laboratory Animal Resources (PLAR)

Training

In-person training courses have resumed in a modified format. For everyone's safety, PLAR is following all WSU COVID-19-related controls—such as practicing social distancing and wearing face coverings—to prevent the spread of the novel coronavirus. Training attendance will be limited to one instructor and one trainee. To request training or additional details, please contact ocv.spokane.vet@wsu.edu.

Controlled Substances Reverse Distribution

For those who have controlled substances that they need to dispose of, reverse distribution is scheduled for August 19. Labs must submit a list of controlled substances to be collected to Dale Silbernagel (silbernagel@wsu.edu) by August 12. For more information, please email silbernagel@wsu.edu or ocv.spokane.vet@wsu.edu.

Reminder

Please remember to give Office of the Campus Veterinarian-PLAR staff advance notice (usually at least 1 full business days) if your lab needs special equipment set up or has other specific needs. For hazard studies, at least one week's notice is needed.

Contacts, Spokane:

- General PLAR inquiries – E-mail: ocv.spokane.vet@wsu.edu
- Jennifer Kopanke, DVM – Phone: 509-358-7825, E-mail: jennifer.kopanke@wsu.edu
- Rob Archuleta – Phone: 509-358-7975, E-mail: robert.archuleta@wsu.edu
- For PLAR animal emergencies – Phone: 509-592-6884

Contacts, Main Office (Pullman):

- General Office of the Campus Veterinarian inquiries – Phone: 509-335-6246, E-mail: or.ocv.alert@wsu.edu
- For emergencies if unable to reach the PLAR emergency contact - Phone: 509-330-1871

Research Service Centers

Flow Cytometry

New users need to complete training prior to conducting actual testing. Depending on past experience, it may take several sessions to become completely familiar with the equipment and software. Please plan in advance.

- **Contact:** Olga Shiva – Phone: 509-358-7873, E-mail: olga.shiva@wsu.edu

Mass Spectrometry

It is imperative that all users of the mass spectrometry equipment document their usage. Expenses divided by the hours of usage determines the rate charged. Failure to record usage results in a higher rate.

- **Contact:** Olga Shiva – Phone: 509-358-7873, E-mail: olga.shiva@wsu.edu

Microscopy/Histology/Imaging

Microscopy - Microscopy has implemented a new calendar system. If you have not received your invitation to the calendar, contact Olga and she will create your account.

Histology - Please submit samples using the Histology Sample Submission Form available on the Research Service Center website.

Imaging - Imaging equipment includes radiation producing machines. Make sure you have completed your training through the Radiation Safety Office before planning any work using the IVIS or Quantum.

- **Contact:** Olga Shiva – Phone: 509-358-7873, E-mail: olga.shiva@wsu.edu

Genomics

- **Contact:** Dr. Yiyong (Ben) Liu – Phone: 509-358-6741, E-mail: yiyong.liu@wsu.edu

Nuclear Magnetic Resonance (NMR)

- **Contact:** Dr. Zuping Xia – Phone: 509-358-6575, E-mail: zuping.xia@wsu.edu

Biomedical Engineering and Design (BMED)

BMED is available to promote and foster science on the WSU Spokane campus. This group can help researchers and start-up businesses to leverage their resources by saving on cost and allowing them to innovate more efficiently. The website can be found under the Research Service Center website.

- **Contact:** Will Clegern – Phone: 509-358-6750, Phone: will.clegern@wsu.edu