

MEMORANDUM

LABORATORY SAFETY & ENVIRONMENTAL HEALTH
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To: Christopher Keogh
From: Frank Schaefer
Subject: Restricted and prohibited requisitions due to safety or regulatory reasons – Updated
Date: September 21, 2016

Historically this department has provided your office with a list of items that should be prohibited or restricted on campus. This list that is being provided below can not be exhaustive in its content, but a guideline for your purchasing agents as they continue in their diligence in reviewing all requisitions for safety concerns. LS&EH is always happy to review any requisition should the Agents have any safety related questions.

Equipment

- Biological Safety Cabinets: Only Class II Type A/B3 BSCs should be purchased. The following manufacturers are acceptable (in order of LS&EH preference: Baker, Thermo Forma, Heraeus and Nu-Aire). BSCs should be ordered without UV lights. Please consult with Gaitree McNab or Frank Schaefer before purchasing equipment if other than Baker BSCs is chosen.
- Fume hoods are generally chosen and purchased as a part of a renovation/construction budget. Any order for fume hoods that does not originate as a part of a bid from Planning and Construction should be reviewed by LS&EH. Any orders for ductless fume hoods or fume extractors must be reviewed by LS&EH.
- Lasers and equipment housing lasers of Class 3 or higher should be reviewed by Anthony Santoro.
- Electron microscopes and X-ray generating equipment should be reviewed by LS&EH. This equipment must be registered and inventoried with the NYSDOH.
- Please alert Frank Schaefer for any orders for any chemical photographic developing machines so that he can arrange to have them added to the University's silver reclamation program, which is overseen by LS&EH.
- Photographic silver recovery filters are purchased and managed by LS&EH, labs should be directed to call LS&EH if they attempt to purchase this type of device.
- Respirators of any kind (e.g., PFRs, SARs, SCBAs, APRs) should not be ordered without a prior review and approval by Sachin Kadam as stated in the University's Respiratory Protection Plan. The PFRs kept in the stock room are approved for fit-tested/trained users only. Please continue to use the informational labels currently used to alert users to the regulations for the PFR us and the limitations of the dust/mist masks on the boxes of PFRs and the dust/mist masks carried in stock.

General Materials

- First Aid Kits, first aid products, band aids, burn cream, aspirins, Tylenol, ibuprofen and other pain relievers, etc., are not allowed to be purchased by Laboratories or Departments. Everyone is expected to go the Occupational Health Service (OHS) for medical treatment.
- Latex and Nitrile examination gloves are available in the stock room; please review all requisitions for examination gloves from outside vendors.
- UVEX safety glasses are carried in stock. LS&EH also provides free of charge to any employee who requests them. Orders for safety glasses should therefore be referred to LS&EH.
- Red biological waste bags are prohibited.
- Orders for Bunsen burners should be referred to LS&EH.
- Orders for bench-top propane or butane burners should be referred to LS&EH.
- Orders for mercury thermometers should be referred to Frank Schaefer. We are encouraging the use of alternate, e.g., alcohol, thermometers wherever possible to limit the number of mercury spills.
- 100% cotton lab coats should be purchased through Custodial Services or University Stockroom.

Chemicals

- The University is not permitted to purchase any kind of explosives (DOT CLASS I materials).
- Any oil purchases greater than 55 gallons (except power house)
- Please allow LS&EH to review any order for chemical cleaning solutions such as No-Chromix, and chromic acid, especially orders for chromic and sulfuric acids together. Some of the cleaning solutions are a chromic/sulfuric acid compound and we strongly discourage and limit the practice of acid glasswashing on campus.
- Due to the ready availability of acrylamide in solution, purchase of dry acrylamide should be discouraged.
- Scintillation fluids- see notes on this under radiation safety related items below.
- Ethyl ether and Picric Acid- Researchers wishing to work with either of these chemicals should be directed to Frank Schaefer or Anthony Santoro.

Biologicals

- The University is currently exempt under the Anti-Terrorism Act for Select Agents. Attached is the list of select agents that are covered by this regulation and require registration and a permit to receive. Researchers wishing to work with any of these should be directed to Gaitree McNab and any requisitions should be referred to Gaitree before they are processed.
- BL3 Users and Organisms. Also Attached is a list of approved BL3 organisms and approved laboratories that should be placing requisitions for these materials. Please refer any other requisitions to Gaitree McNab.

Radioactive Materials

- Radioactive materials may only be requisitioned through the HPAssist Program. This includes rad items that are generally exempted and U-238 items. Any user who mistakenly uses Oracle to enter a requisition for a radioactive material should be directed to reenter the information in HPAssist.

Radiation safety related items

- Ludlum Model 3 survey meters with model 44-1 beta scintillation probe or model 44-3 low energy gamma scintillation probe or 44-9 pancake G-M probe may be ordered without any

LS&EH review. Orders for other Ludlum models or for other manufacturers' survey meters should be reviewed by Anthony Santoro.

- Labs should not order lead foil or lead bricks. LS&EH provides the lead shielding to the labs when needed.
- Labs should not order radioactive materials warning label TAPE. Individual labels, such as the ones available from Lab Safety Supply (previously carried in the stock room) are fine.
- Lead aprons are not appropriate for the types of rad work performed on campus. Please refer any order for a lead apron to Anthony Santoro.
- Scintillation fluids: Labs should be encouraged to use the Ready-Safe available from the stockroom. Orders for other scintillation fluids should be referred to Anthony Santoro for review. Flammable scintillation fluids should not be ordered.
- No radioactive waste bags. Bags used for radioactive waste are provided by LS&EH.

Thank you for your continuing efforts to support the University safety program.

Attachments:

Select agent listing (USDA and CDC)

Approved BL3 organisms and approved BL3 purchasing laboratories

Appendix 3 – CDC/USDA Select Agents

HHS NON OVERLAP SELECT AGENTS AND TOXINS

Crimean-Congo haemorrhagic fever virus

Coccidioides posadasii ~

Ebola viruses ~

Cercopithecine herpesvirus 1 (Herpes B virus)

Lassa fever virus

Marburg virus

Monkeypox virus

Rickettsia prowazekii

Rickettsia rickettsii ~

Reconstructed replication competent forms of the 1918 pandemic influenza virus containing any portion of the coding regions of all eight gene segments (Reconstructed 1918 influenza virus)

South American haemorrhagic fever viruses

Junin

Machupo

Sabia

Flexal

Guanarito

Tick-borne encephalitis complex (flavi) viruses

Central European tick-borne encephalitis

Far Eastern tick-borne encephalitis

Russian spring and summer encephalitis

Kyasanur forest disease

Omsk hemorrhagic fever

Other Viruses and Toxins

Variola major virus (Smallpox virus)

Variola minor virus (Alastrim)

Yersinia pestis

Abrin ~

Diacetoxyscirpenol

Ricin

Conotoxins

Saxitoxin

Shiga-like ribosome inactivating proteins

Tetrodotoxin

HIGH CONSEQUENCE LIVESTOCK PATHOGENS AND TOXINS

SELECT AGENTS (OVERLAP AGENTS)

Bacillus anthracis

Brucella abortus

Brucella melitensis

Brucella suis

Burkholderia mallei (formerly *Pseudomonas mallei*)

Burkholderia pseudomallei (formerly

Pseudomonas

pseudomallei)

Botulinum neurotoxin producing species of

Clostridium

Coccidioides immitis
Coxiella burnetii

**HIGH CONSEQUENCE LIVESTOCK PATHOGENS AND TOXINS
SELECT AGENTS (OVERLAP AGENTS)**

Eastern equine encephalitis virus	Botulinum neurotoxin
Hendra virus	<i>Clostridium perfringens</i> epsilon toxin
<i>Francisella tularensis</i>	Shigatoxin
Nipah Virus	Staphylococcal enterotoxin
Rift Valley fever virus	T-2toxin
Venezuelan equine encephalitis virus	

LISTED PLANT PATHOGENS

Liberobacter africanus
Liberobacter asiaticus
Peronosclerospora philippinensis
Phakopsora pachyrhizi
Plum Pox Potyvirus
Ralstonia solanacearum race 3, biovar 2
Schlerophthora rayssiae var *zeae*
Synchytrium endobioticum
Xanthomonas oryzae
Xylella fastidiosa (citrus variegated chlorosis strain)

**USDA HIGH CONSEQUENCE PATHOGENS AND TOXINS (NON OVERLAP
PATHOGENS)**

Akabane virus	
African swine fever virus	Malignant catarrhal fever virus (Exotic)
African horse sickness virus	Menangle virus
Avian influenza virus (highly pathogenic)	<i>Mycoplasma capricolum</i> /
Blue tongue virus (Exotic)	M.F38/ <i>M. mycoides capri</i>
Bovine spongiform encephalopathy agent	<i>Mycoplasma mycoides mycoides</i>
Camel pox virus	Newcastle disease virus (VVND)
Classical swine fever virus	Peste Des Petits Ruminants virus
<i>Cowdria ruminantium</i> (Heartwater)	Rinderpest virus
Foot and mouth disease virus	Sheep pox virus
Goat pox virus	Swine vesicular disease virus
Lumpy skin disease virus	Vesicular stomatitis virus (Exotic)
Japanese encephalitis virus	

Appendix 4 – Restricted Biologicals that require LS&EH review/approval

All organisms that appear on Appendix 3: CDC/USDA Select Agents

OTHER RESTRICTED BIOLOGICALS: (THIS IS LIMITED FOR REQUISITIONS FROM THE RICE LABS ONLY UNLESS OTHERWISE NOTIFIED)

Yellow Fever Virus

West Nile Virus

Dengue Virus.