Appendix C

Glove Selection

Laboratory gloves should be selected based upon the specific glove manufacturer's glove compatibility chart. Similar gloves from different manufacturer may not provide the same protection.

Gloves should be selected based upon:

- Work being performed
- Duration of time
- Dexterity
- Extent of protection needed

Rules for glove use in the labs:

- Wear the correct gloves when needed.
- Wear gloves no longer than 2 hours.
- Wash hands once gloves have been removed.
- Disposable gloves must be discarded once removed. Do not save for future use.
- Dispose of gloves into the proper container
- Non-disposable/reusable gloves must be washed and dried, as needed, and then inspected for tears and holes prior to reuse.
- Remove gloves before touching personal items, such as phones, computers, pens and one's skin.
- Do not wear gloves out of the lab. If gloves are needed to transport anything, wear one glove to handle the transported item. The free hand is then used to touch door knobs, elevator buttons, etc.
- If for any reason a glove fails, and chemicals come into contact with skin, consider it an exposure and seek medical attention.

Glove Compatibility Charts Definitions:

- Breakthrough time: Time it takes for the chemical to travel through the glove material.
- Permeation Rate: Time it takes for the chemical to pass through the glove once breakthrough has occurred
- Degradation rating: This is the physical change that will happen to the glove material as it is affected by the chemical.

Some Manufacturer's Glove Compatibility Charts:

- ***Ansell Chemical Resistance Guide***
  http://www.ansellpro.com/download/Ansell_7thEditionChemicalResistanceGuide.pdf

- ***Cole-Parmer Safety Glove Chemical Compatibility Database***
  http://www.coleparmer.com/SafetyChemGuide

- ***Best Glove ChemRest***
  http://www.showabestglove.com/site/languageselection/?redirectpage=http:$$www.showabestglove.com$site$chemrest$default.aspx

- ***MAPA Chemical Resistance Guide***
  http://www.mapaglove.com/ChemicalSearch.cfm?id=0