

# UMMC Standard Operating Procedure For Handling

## 22-Oxovincaleukoblastine (Vincristine Sulfate)

### Prepared by the Department of Environmental Health and Safety

**Hazard:** RTECS substance category: Tumorigen; Drug; Mutagen; Reproductive effector. Exposure may cause irritation to eyes, mucous membranes upper respiratory tract and skin. Exposure may also cause the following: Effect fertility and/or unborn and breastfed infants; Tumors; Hypermotility and diarrhea; Increased urine volume; Normocytic anemia; Changes to bone marrow; Sensory change; Changes in leukocyte count.

Wear appropriate chemical resistant gloves, safety goggles and other protective clothing to prevent contact with eyes and skin. Do not breathe dust. Do not get in eyes, on skin or on clothing. Wash thoroughly after handling.

Laboratory operations should be conducted in a fume hood, glove box, or ventilated cabinet.

*For skin exposure:* Rinse skin immediately with plenty of water for 15 – 20 minutes.

*For eye exposure:* Hold eye open and rinse slowly and gently with water for 15 – 20 minutes.

*For ingestion:* Rinse mouth out with water, contact local poison center and call a physician.

*For inhalation:* Move person to fresh air. If breathing becomes difficult, give oxygen. If breathing stops, give artificial respiration.

**Unused Material and Instrument Disposal:** Surplus Vincristine will be disposed by EHS as a hazardous waste. Used syringes will be placed in a yellow trace Chemo container.

### **PPE for handling or change out of treated animals:**

Lab Coat  
Chemical resistant gloves  
Safety goggles

**Waste Disposal:** Retain cage litter for 3 days after administration and place into heavy mill plastic bag that is firmly tied closed. After the first cage change there is no need for further special precautions regarding the animals or the cages as long as the animals have not received any more Vincristine. Potentially contaminated carcasses will be incinerated. Potentially contaminated bedding and other nonsharps materials will be disposed as a biohazard.

**Cage Disinfection:** Cages and accessories are transported to the cage washing facility for disinfecting. Regular cage wash sanitization meets requirements for cleanup.

Contact the Safety Officer – Chemicals at 601-984-1981 if additional information is needed.