

STANDARD OPERATING PROCEDURE (SOP):

Use of cyclophosphamide in animal research.

1. Responsible parties

Employees and users of the animal facility at Rikshospitalet (KPM Rikshospitalet)

2. Necessary Safety Equipment and Precautions

Gloves, long sleeves (single use lab coat), and safety glasses should be worn at all times when working with cyclophosphamide. In addition, all work should be done inside a biosafety cabinet.

3. Chemical Hazards

Chemical Information



Health and Precautionary Statements

H301 - Toxic if swallowed
H340 - May cause genetic defects
H350 - May cause cancer
P202 - Do not handle until all safety precautions have been read and understood
P308+P313 - IF exposed or concerned: Get medical advice/attention

4. Procedure

All work with cyclophosphamide should be done inside of a biosafety cabinet. Animals will be transferred to a new cage at the time of administration, and the cage will be clearly marked. Cages that have contained mice that have been injected with cyclophosphamide will not be changed for a minimum of three days. At this point, the cage will be sprayed with disinfectant, placed in a plastic bag, sealed and labelled. The bedding is to be disposed of in a HEPA filtered dumping station. All waste, including the used needle and syringe, gloves, mask, and cap will be disposed of in a hazardous waste container clearly marked "cyclophosphamide treated".

5. Safety precautions for contact with cyclophosphamide

Skin contact: Wipe away as much as possible, and wash the area with soap and water.

Eye contact: Rinse immediately with plenty of water.

Spills: Wipe up with a clean rag immediately, followed by soap and water. Dispose of the rag in hazardous waste bin.