

# WEDEKIND LAB SYNCHROTRON INVENTORY LIST

## **Critical Items:**

Crystal inventory lists  
Master Data notebook (blue notebook)  
Charged travel dewars with crystals loaded

## **Critical Tasks:**

Reserve hotel rooms  
Charge dewars with liquid nitrogen  
Trade cell-phone numbers  
Plan meeting time to depart  
*Put everything to be taken on tables in X-ray room as staging area*

## **Crystal Manipulation Tools:**

Dummy pins (**including all pin sizes and loop sizes used to mount crystals**)  
Flashlight  
Cryo-tongs (16mm and 18mm)  
Vial clamps (3 suggested)  
Crystal wands (3 spring-loaded and 2 with tab for crystal cap)  
Tall dewar to hold canes and prevent ice build-up (1 suggested)  
- CHESS has shallow dewars for use  
5L dewar (cap has small opening)

## **Safety and General Use:**

\*Long pants and closed-toe shoes  
Safety glasses (2 pair suggested)  
Latex/nitrile gloves (place in plastic bags according to size)  
Elbow-length cryo-gloves  
Kimwipes (2 boxes large and 2 boxes small suggested)  
Aluminum foil  
Extra pens

## **Computer Related Equipment:**

Computers (e.g. Thanatos and Joe's laptop) for offline data reduction  
- must have CrystalClear to develop strategies (don't forget dongles)  
- discuss naming scheme for data storage directories and data backup  
**\* Dongles (parallel port and USB) for CrystalClear software**  
Software manuals  
External hard drives (at least 2 usually)  
Potentially unnecessary equipment:  
- Extra mice and keyboards  
- External DVD burners  
- Blank DVD's

## **Crystal Freezing Equipment:**

9-well glass plates  
Glass coverslides  
200µl pipettor (1 suggested)  
p100 tips (1 box suggested)  
Silanized papers  
Timer  
Box of bristles and acupuncture needles (like Dr. Wedekind's kit)