

# Jasco 720 Spectropolarimeter (CD) Directions

## Turning the system ON:

1. Turn on the N<sub>2</sub> gas to ~15 m (10 units) to purge the system.
2. Wait ~ 5 – 10 minutes for complete purge.
3. Turn on the water **slowly**, not full blast using the yellow handle furthest from sink.
4. You should hear a faint click in the direction of the Jasco: let water run 3 – 5 minutes.
5. Turn on Power 1 button (~ 95 volts), then hit start (lamp current ~25 amps).
6. Turn on Power 2 button
7. Turn on PC

## Collection:

1. Double click on <jhardctl> icon.
2. Action
3. Measurement

Standard

Measurement

Parameters (250 – 190 nm)

Everything else is default: sensitivity depends on [sample]

Accumulation will change the # of “scans”

Execute

4. Used the 10 u circular “cuvettes” 0582 – holds ~ 10 µL  
sample goes in “lip” side  
sample is placed in the holder (found in the CD compartment)  
distilled water used for cleaning
5. Standard analysis  
select file to view
6. Save file as txt

## Turning the system OFF:

1. Close measurement mode.
2. Close connection to PC.
3. Turn off Power 2.
4. Turn off Power 1.
5. Let water run for 5 minutes.
6. Turn off water.
7. Turn off N<sub>2</sub> gas LAST.

## Low Temperature Experiments:

Water bath is controlled by the MTP-6 Programmer.

The smallest volume of the jacket cell is 100 µL.

Watch that it is rinsed carefully as certain lab groups “cook” protein inside and then use SDS to soak the protein off the walls.