

# Critical Point Dryer - Tousismis

**Manager:** Sam Wright  
**Backup:** Chris Alpha  
**Backup:**

Work Phone  
 254-4836  
 254-4913

Calls to staff phones will be automatically forwarded to their cell phones during accessible hours. At other times leave a message or send them an email.

## Safety

- Ensure the chamber lid is properly tightened
- Be familiar with the Emergency Shutdown Procedures (In case of a leak). These are in the manual.
- No buddy requirements

## Process Restrictions

### Material Restrictions

- No Biological Materials
- No acids or acetone
- Only materials that are compatible with alcohols

### Parameter Restrictions

- Do not attempt to load samples without the proper holder

## Scheduling / Sign-up Restrictions

**Minimum Tool Time:** 60 minutes

- It is suggested that you schedule your runs during regular staff hours due to the frequent changes needed in the CO2 cylinders.
- Please schedule runs 24 hrs. in advance for weekdays/
- If you plan on using the CPD over the weekend please schedule on CORAL by Friday noon.

## Requirements (Do Every Time)

- Clean chamber spacers before and after each run
- Replace chamber lid and finger tighten nuts when finished

## Prohibitions (Never Do)

- Do NOT attempt to open chamber when pressure gauge is above 0

## Common Problems

### Problem:

- Chamber will not cool properly
- Base pressure below 700 psi
- Will not reach critical point

### Root Cause:

- Cool Cylinder below 180 lbs
- Chamber cylinder below 180 lbs
- Chamber and/or Cooling cylinder below 180 lbs. Leak in system.

### Solution:

- Contact Staff
- Contact Staff
- Contact Staff

## Other Comments or Cautions