

University of Minnesota Nano Fabrication Center

Standard Operating Procedure

Equipment Name: Prebake Dehydration Oven

Coral Name: oven-1 **Revision Number:** 2
Model: Blue M Stable Therm **Revisionist:** K.Burkland
Location: Bay 2 **Date:** 10/28/03

1 **Description**

This is a non-exhausted oven with a monitored temperature setting of 120°C. There is a center rack for placing substrate boats. The right dial is set at 120°C.

2 **Safety**

a Take caution when unloading your hot substrates when the Prebake time is complete.

3 **Restrictions/Requirements**

a Wafers must not have any material on the surface that could out gas fumes. This oven is not exhausted.

b Do not change the temperature of this oven, it is remain at 150°C.

Required Facilities

a Electrical outlet.

4 **Definitions**

a none

5 **Setup**

a Place substrates perpendicular in the quartz boats provided or place the substrates on a hand made foil boat.

b Users must supply their own method of timing their length of bake.

6 **Operating Instructions**

a. Open the door and place substrates in the oven on the rack and close the door.

7 **Problems/Troubleshooting**

a If the settings are not at the above set point, notify the process staff.