

SOP:SP031

Operation of the N₂/ Air bath

Materials:

70% EtOH

Kimwipes EX-L

Protocol:

Using gloves, wipe down ports that will be used (24 total) with 70% Ethanol.

Place samples carefully on N₂ Air bath.

Carefully unscrew ports allowing needle to loosen, then lowering, until approximately .5inch above sample.

Select either Nitrogen or Air for drying and attach tube and/or filter accordingly.

Carefully turn knob so that the pressure is around 2, flow is constant and sample material is not touching needle from the ports. (note 1)

Using sign up sheet located above the fume hood in C210, fill in the date, time, name, lab, Port number (s), temperature, N₂/Air, and completion date.

When samples are dry to desired point, carefully raise needle from port and remove sample(s).

Turn off N₂ or Air, and close ports (note 2).

Wipe off used ports with 70% Ethanol and close sash so that it is below maximum height level.

Notes:

Be careful when adjusting flow, a higher rate than needed could lead to loss of material and/or contamination of sample.

Be mindful of others who are using the equipment. If you are adding samples, you should lower the pressure, and upon removing them slightly raise the pressure so other samples are not disrupted.