

STANDARD OPERATING PROCEDURES

Density Separation Table

DO NOT use this machine unless you have received authorization from the Shop Coordinator



Long and loose hair must be contained.



Sturdy closed-toe shoes must be worn.



Safety glasses must be worn when cleaning this equipment.



Gloves must be worn when cleaning this equipment.



Hearing protection must be worn while operating this equipment.

Potential Hazards and Injuries

- ⚠ Oxalic acid exposure during cleaning (skin irritation, acid burns)
- ⚠ Clothing/limbs trapped in moving table arm (blunt injuries/amputation)
- ⚠ Electrocutation (high voltage/water)

Pre-Operational Safety Checks

- ✓ Locate and ensure you are familiar with all machine operations and controls.
- ✓ Check workspace and walkways to ensure no slip/trip hazards are present.
- ✓ Ensure that all collection trays are in position under the table's edge.
- ✓ Check that all parts are clean and free of obstructions.
- ✓ Unplug and lock-out machine before attempting any maintenance.

Safe Practices During Operation

- ✓ Never turn the flow of water up so high that it sprays off the wall.
- ✓ Only add a small amount of sample material at a time to ensure that it is separated properly.
- ✓ Keep limbs, clothing, and hair away from moving parts of equipment.

Ending Operations and Cleaning Up

- ✓ Switch off the machine and wait for it to come to a complete stop.
- ✓ Thoroughly clean the table and collection trays with water, dish soap, and oxalic acid.
- ✓ Use the lab air hose to *completely* dry the table surface before replacing the cover.
- ✓ Leave the machine in a safe, clean, and tidy state.

DON'T

- ⊗ Don't use faulty equipment. Immediately report suspect equipment.
- ⊗ Do not attempt to adjust the travel or speed of the table surface while the machine is in operation.

SOP must be used in conjunction with an effective training program