

TEM NEGATIVE DEVELOPMENT - ARKAY UNIT

- 1) Sign Logbook. New chemicals are needed if more than 250 negatives have been processed since fresh chemicals were prepared
- 2) Turn on sodium vapor light (allow 10 min warm up before opening film box)
- 3) Turn on water jacket inlet valve (Do not adjust temperature setting!)
- 4) Open nitrogen cylinder tank valve (Top of the tank *not* the regulator valve)
- 5) Load film into hangers and load hangers into hanger rack
- 6) Set (black) timer to 4 min
- 7) Place hanger rack into developer, press white timer button, switch gas burst switch to Timed
- 8) Reset timer with black button, switch gas burst Off
- 9) Transfer hanging rack to wash tank ➡ **Drain developer back into tank** ➡
turn on wash water, wash for 2 min
- 10) Set timer to 5 min, place hanging rack into fixer, start timer, and switch gas burst to Timed
- 11) Check that no milkyness remains on negatives (extend fixer time if needed)
- 12) Drain fixer back into tank and transfer to wash tank for 2 min (Lights on)
- 13) Transfer to hypoclear for 5 min with timed gas burst
- 14) Drain hypoclear back into tank, and wash for 10 min
- 15) Transfer negatives to lucite holder
- 16) Dip rack into photoplo for 30 sec
- 17) Allow negatives to dry, 2-3 hours
- 18) Nitrogen tank off. Water jacket and wash water valves off. Safe light off.

**WIPE DOWN UNIT WITH WET SPONGE AND DRY !
RECORD NUMBER OF NEGATIVES IN RECORD BOOK!**