Pacific Pathology Associates, Inc.

**Clinical
Anatomic Pathology Histology RL
Procedure**
histo17.01

How to use the Peloris Dual Retort Rapid Tissue Processor	
Final Approval: May 2010 **Effective:** May 2010	**Next Review Date:** May 2012
List all stakeholder(s) and dates of approval: **Stakeholder Name(s):** Shelly M. Siegel HT Date: 8/25/2010 Reviewed ☒ Revised ☐ **Stakeholder Name(s):** Mark Magilner MD Date: 8/2710 Reviewed ☒ Revised ☐ **Stakeholder Name(s):** Shelly Siegel Date: 5/3/11 Reviewed ☒ Revised ☐ **Stakeholder Name(s):** Date: Reviewed ☐ Revised ☐ **Stakeholder Name(s):** Date: Reviewed ☐ Revised ☐	

Describe briefly the most recent revision made to this policy, procedure or protocol & why:
New Procedure

Purpose/Policy Statement:
This procedure addresses on how to start, change reagents and do daily, weekly and monthly maintenance on the Peloris.

Definitions:
- n/a

POLICY CONTENT

The Peloris dual retort rapid tissue processor preserves tissue specimens by fixing in 10% neutral buffered formalin, dehydrating in alcohols, clearing in xylene then infiltrates with wax. This allows tissue to be sectioned, stained and ready to be diagnosed by a pathologist.

STEPS / KEY POINTS

TO START THE PELORIS

Step 1. Load the protocol
- Press the SELECT or PROTOCOL button
- Choose the protocol SMALL, MEDIUM, or LARGE
- Press LOAD
- Pick the retort you are loading A or B

Step 2. Start the Run
- Press RUN
- Enter the # of CASSETTES, Press OK
- Prompts you to load, Press DONE

Step 3. Scheduling
- Select the endtime to ASAP, should read- *required endtime ASAP*. The ASAP button will be highlighted in Orange.
- Press the GREEN START button.

REAGENT/WAX REPLACEMENT

Replace reagent/wax when chamber appears striped on the status screen or when warned at protocol start. (Concentration threshold exceeded for last step). Document all reagent/wax changes on the equipment maintenance form.

REAGENT

Step 1. Pull reagent bottle from peloris

Step 2. Empty according to chemical waste management. Down the drain or in a labeled waste container to recycle or waste.

Step 3. Push the bottle back into the same station
- State FULL
- Press RESET

WAX

Step 1. Connect wax waste line hose
- Insert or rest the hose into container or funnel.

Step 2. Open the REAGENT tab then press REMOTE FILL/DRAIN
- Select WAX WASTE and the wax chamber to drain, then click DRAIN TO WASTE
- Monitor drain progress, wait until notified of completion.

Step 3. Add new wax
- Clean the wax bath using gauze.
- Add molten paraffin to MAX line. Do not over fill.

Step 4. Update Station State
- Open the REAGENT tab then find STATIONS
- Press the WAX CHAMBER
- Press the DRY state on the wax chamber that was emptied
- Press FULL

MAINTENANCE

DAILY
- Clean gasket seal on retort with 70-100% alcohol. Make sure it is free of paraffin.
- Clean sensors with 70-100% alcohol.
- Check reagent/wax levels. Make sure they are not over or under the MAX line.
- Clean the top surface of the retort lids and handle.
- Clean touch screen

WEEKLY
- Check condensation bottle, empty if needed.

QUARTERLY
- Change carbon filter (JAN, APR, JUL, OCT)
- Clean reagent bottle

Equipment/Supplies (If Applicable):
Alcohol graded reagent
Xylene
PPE- gloves, goggles, apron or face mask
Funnel
Paraplast X-tra

Cassette basket
Gauze, paper towel
10% NB formalin

Form Name & Number or Attachment Name (If Applicable):
Histo17

Author Position:
Lead Histologist

Review/Revision Authority (Position Not Individual Name):
Lead Histologist

Expert Consultant Position/s (Not Individual Name/s):
n/a

References (Required for Clinical Documents):
Peloris Rapid Tissue Processor user manual
Peloris alarm and error code manual

Is there a Regulatory Requirement? Yes ☐ No ☐
If yes, insert requirement information here:

Review History (No Changes):

Revision History (Note changes in area under header):

Computer Search Words:

Policy, Procedure or Protocol Cross Reference Information:
n/a