

SOP
#1

Subject **Leica ASP6025 Processing of Tissue**

Sheet **1** of **2**

Rev 5/9/18

Effective Date

Author

Date 2/1/2015		2/1/15	Fimbres
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1. PURPOSE

- 1.1 The purpose of this SOP is to establish the guidelines to properly process tissue using the Leica ASP 6025 Tissue Processor.

2. SCOPE

- 2.1 This SOP applies to all tissue received by TACMASR that is to be processed unless otherwise noted.

3. REFERENCE DOCUMENTS

- 3.1 TACMASR Request Form
- 3.2 "Histotechnology." Frieda L Carson. 1997
- 3.3 "Histotechnology." Carson & Hladik. 2009

4. RESPONSIBILITIES

- 4.1 The person processing tissue should have prior knowledge of the instrument and how to troubleshoot if needed.

5. MATERIALS and EQUIPMENT

- 5.1 Leica ASP6025
- 5.2 2 70% ethanol
- 5.3 80% ethanol
- 5.4 95% ethanol
- 5.5 3 100% ethanol
- 5.6 4 xylene
- 5.7 Cleaning ethanol
- 5.8 Cleaning xylene
- 5.9 Processing water
- 5.10 Gloves
- 5.11 Tissue cassettes sitting in 70% ethanol
- 5.12 Metal processing basket
- 5.13 100% Acetic acid

6. SAFETY AND CAUTIONARY NOTES

- 6.1 Gloves should be worn when handling reagents and tissue

7. PROCEDURE

- 7.1 Transfer all cassettes from 70% ethanol into metal basket
- 7.2 Insert metal basket in to retort
- 7.3 Select "Delayed Start Program"
 - 7.3.1 70% ethanol until program begins
 - 7.3.2 70% ethanol: 15 min
 - 7.3.3 Processing water: 1 min – 40 degrees Celsius
 - 7.3.4 Ethanol (70%): 15 min – Room temp
 - 7.3.5 Ethanol (80%): 30 min – 40 degrees – Pressure/Volume change through reagent duration
 - 7.3.6 Ethanol (95%): 90 min – 40 degrees Celsius – P/V change
 - 7.3.7 Ethanol (100%): 45 min – 40 degrees Celsius – P/V change
 - 7.3.8 Ethanol (100%): 45 min – 40 degrees Celsius – P/V change
 - 7.3.9 Ethanol (100%): 45 min – 40 degrees Celsius – P/V change
 - 7.3.10 Xylene: 45 min – 40 degrees Celsius – P/V change
 - 7.3.11 Xylene: 45 min – 40 degrees Celsius – P/V change
 - 7.3.12 Xylene: 45 min – 40 degrees Celsius – P/V change
 - 7.3.13 Paraffin: 45 min – 60 degrees Celsius – P/V change
 - 7.3.14 Paraffin: 60 min – 60 degrees Celsius – P/V change
 - 7.3.15 Paraffin: 60 min – 60 degrees Celsius – P/V change
- 7.4 When tissue has finished the processing run, remove tissue from retort and transfer to oven on embedding instrument
- 7.5 Clean the processor with the "Standard Cleaning Program"
- 7.6 When the cleaning is complete, carefully clean out the sensor and the stirrer with 100% acetic acid.