

APPENDIX B: HISTOLOGICAL TISSUE PROCESSING

Tissue samples were washed in running tap water until the yellow color of the Bouin's solution fade away before tissue processing steps. These steps are run by an automated tissue processing machine as showned below:

DEHYDRATION:

- | | |
|------------------------|----------|
| 1. 70% Alcohol | -2 Hours |
| 2. 95% Alcohol I | -2 Hours |
| 3. 95% Alcohol II | -2 Hours |
| 4. Absolute Alcohol I | -2 Hours |
| 5. Absolute Alcohol II | -2 Hours |

CLEARING:

- | | |
|--------------------------------|----------|
| 1. 1:1 Absolute alcohol:Xylene | -2 Hours |
| 2. Xylene I | -2 Hours |
| 3. Xylene II | -2 Hours |

INFLITRATION:

- | | |
|----------------------|----------|
| 1. Pure Paraffin I | -2 Hours |
| 2. Pure Paraffin II | -2 Hours |
| 3. Pure Paraffin III | -2 Hours |

EMBEDDING

STEPS OF DEPARAFFINATION AND REHYDRATION:

- | | |
|-------------------|----------------------|
| 1. Xylene I | - At least 4 minutes |
| 2. Xylene II | -At least 4 minutes |
| 3. 95% Alcohol I | -4 minutes |
| 4. 95% Alcohol II | -4 minutes |
| 5. 70% Alcohol | -4 minutes |