

## Histology Core Histotechnologist Job Duties

### **General Histology Administrative work 15%:**

Maintain accurate records of quality assurance and quality control for each completed professional project **5%**

Perform daily inspection, maintenance, and preparation of core laboratory equipment primarily related to the paraffin tissue processor, embedding system, and staining set up **5%**.

In conjunction with the Histology Core Lab Manager, maintain a safe laboratory environment, update policies and procedures, and liaise with customers: **5%**

### **Histology processing 10%:**

Grossing of Tissue Samples: receive, inspect submitted samples; perform gross examination of samples; select appropriate sections for processing; identify any special processing needs; track samples and all documentation **10%**.

### **Paraffin Processing 25%:**

Paraffin processing of tissue samples: Operate the automated tissue processor to prepare fixed samples for paraffin embedding **5%**.

Paraffin Embedding/OCT Embedding: orient processed tissue samples in embedding molds, embed complex tissue samples; orient fresh, fixed, or snap-frozen samples in OCT compound with labeled cryomolds; advise customers on optimal tissue handling and maintain records **20%**.

### **Staining, Microtomy, Cryo Sectioning 50%:**

Cryo Sectioning: Operate the cryostat to produce high-quality frozen sections from OCT-embedded tissue blocks **5%**

Microtomy: produce high-quality paraffin sections across a range of tissue types and thicknesses **25%**.

Staining / Special Staining: Perform a broad range of routine and special histochemical procedures to meet the needs of customers **15%**.

Cover slipping: apply coverslips to stained slides to produce permanent, optically clear preparations for microscopic examination and imaging **5%**.

### **Required Qualifications:**

- Bachelor's degree in chemistry, biology, or other related science field, or an equivalent combination of education and clinical experience.
- Completion of a Histotechnology training program.

**Desired Qualifications:**

- Minimum 1-2 years of histology laboratory experience, including demonstrated proficiency in paraffin embedding, microtomy, and H&E Staining
- Professional and collegial communication skills for working closely within an academic team.
- Receptive to and able to adapt quickly to change.
- Strong analytical and problem-solving skills.
- Strong communication skills to work with multiple investigators.
- Computer and telephone skills.
- University of Michigan experience working in a recharge/service core
- Experience with the iLabs software
- HT (ASCP) certification or equivalent registry.