

**Preparation of the mouse femur sample**



**Preparation of the section**



**Staining**

Rapid protocol for commercial LCM stain



**"Sandwich" method**

PET membrane and adhesive film



**Laser microdissection**

Sample collection by gravity



**RNA extraction**

Column based method



**Measurement of RNA quality and quantity**

Micro-capillary electrophoresis

Embedding in OCT



Snap-freezing in liquid nitrogen

Application of adhesive film



Cryosectioning (8 μm sections)