

## **Histogene staining protocol for LCM from FROZEN sections**

### **Use RNA precautions for all procedures.**

Retrieve one sample block in OCT from the -80° C freezer.

Allow to warm to cryostat temp (usually -20°C)

Cut three 6µm sections onto room temp plain glass slides.

Fix in ice cold acetone or 100% alcohol 1 min.

Stain immediately using Histogene staining kit reagents and solvents :

1 min 70% ethanol

30 s Water

30 s Histogene stain

Drain off excess stain

30 s 75% ethanol

30 s 95% ethanol

1 min 100% ethanol

5min xylenes (can remain in xylenes for up to 2 hr)

Air dry vertically for 5 min (**very important**)

Laser capture immediately. All captures should be accomplished within a 2 hour window. We have found it best to section, stain and laser capture all within the 2 hour window. Should you need to capture from more than 3 slides you should repeat the whole procedure.