



## **HEMATOXYLIN-EOSIN STAINING PROTOCOL (CAT# HE09-40R)**

### **Reagents/solution:**

1. HE stain kit (Cat# HE09-40R) contains:
  - Hematoxylin solution (Cat#H08-20R)
  - Eosin Y solution (Cat#07-20R)
2. 0.3% hydrochloric acid alcohol.
3. Gradient Alcohol (70 -100%)
4. Distilled and Tap water
5. Xylene or HistoClear

### **Method**

1. Dewax sections in Xylene or HistoClear (2-3 change of 3 minutes each)
2. Rehydrate in alcohol (100%, 95%, 70%), 3 minutes each
3. Bring sections to distilled water
4. Stain nuclei with the haematoxylin (Cat#H08-20R) for 4-10 minutes
5. Rinse in running tap water
6. Differentiate with 0.3% acid alcohol
7. Rinse in tap water
8. Stain with eosin (Cat#07-20R) for 30 second - 2 minutes
9. Dehydrate in alcohol (70%, 95%, 100%), 3 minutes each
10. Clear the staining with Xylene or HistoClear and mount.
11. Allow dry in fume hood