



## VitroView™ Mammary Gland Wholemount Stain Kit SKU#: VB-3001

**Description:** Wholemount staining of mouse mammary glands shows the structure of the whole gland and how it is altered in diseased states and in response to various hormones, or carcinogens.

**Kit Contents:**

- VB-3001-1 Carnoy's fixative Solution-----250ml
- VB-3001-2 Carmine Alum Staining Solution-----250ml

**Storage**

If stored at 4 °C, the kit can be used for several months. Discard when color becomes weak.

**Material Needed But NOT Supplied with the Kit:**

1. Staining jar
2. Glass slides
3. Ethanol
4. Xylene
5. Mount media

**Protocol:**

1. Mammary gland tissues are spread out on glass slide.
2. Fix in Carnoy's fixative for 2 to 4 hours at room temperature.
3. Wash in 70 % Ethanol for 30 min. Change gradually to distilled water
4. Rinse in distilled water for 5 min.
5. Stain in carmine alum staining solution overnight at room temperature.
6. Wash in 70 % Ethanol for 15 min
7. Wash in 95 % Ethanol for 15 min
8. Wash in 100 % Ethanol for 15 min
9. Clear with 3 changes of xylene (10 minute per change)
10. Mount coverslip onto glass slide with Permount or some other suitable organic mounting medium.

**Note:** Carnoy's Fixative Solution and Carmine Alum Staining Solution can be reused.

After photographic documentation the tissue can be embedded in paraffin for sectioning and conventional histological staining.

- Immerse slide into xylene to remove mounting medium
- Change xylene 2 times
- Transfer to 1:1 xylene:paraffin (60°C)
- Change xylene 2 times and embed in paraffin

**Note:** This product is intended for research purposes only. This product is not intended to be used for therapeutic or diagnostic purposes in humans or animals.