

## Mucicarmine

Cat. No.:	HY-D1542
CAS No.:	51395-97-2
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)

# Mucicarmine

### BIOLOGICAL ACTIVITY

<b>Description</b>	Mucicarmine is used in the histological visualization of acid mucopolysaccharides in tissue sections. Mucicarmine can identify mucin (deep rose), which is useful in determining the mucin positive cancer (such as liver carcinoma) <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Mucin <sup>[1]</sup>
<b>In Vitro</b>	<p>Mucicarmine successfully stains the presence of mucin on frozen-tissue sections (Mucin stained deep rose). Guidelines (Following is our recommended protocol. This protocol only provides a guideline, and should be modified according to your specific needs)<sup>[1]</sup>.</p> <ol style="list-style-type: none"><li>1. Mount the cryostat sections (thickness: 4 to 5 µm) onto coated glass slides.</li><li>2. Fix the sections in frozen-section fixative immediately for 30 seconds and then rinse with water for 5 seconds.</li><li>3. Immerse the glass slides for 30 seconds into Harris hematoxylin, then consecutively into distilled water, ammonium hydroxide, and distilled water, for 5 seconds in each solution.</li><li>4. The mucicarmine stain is placed in the microwave oven and microwave until the solution is about to bubble (30 seconds).</li><li>5. Immerse the glass slides in the warmed mucicarmine solution for 2 minutes and rinse slides in distilled water for 5 seconds.</li><li>7. Immerse the glass slides consecutively in 95% alcohol, 100% alcohol, and xylene for 5 seconds in each solution, then coverslip the slides.</li></ol> <p>Note: Nuclei stain (blue) and connective tissue stain (green) maybe is necessary according to your specific needs. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

### REFERENCES

[1]. S Soans, et al. Mucin stain on frozen sections: a rapid 3-minute method. Arch Pathol Lab Med. 1999 May;123(5):378-80.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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