

Product Information

CLARION[®] MOUNTING MEDIUM

Product Number **C 0487**
Store at Room Temperature

Product Description

Clarion Mounting Medium is a permanent mounting medium for general histological and cytological use. It is designed for the permanent preservation of immunohistochemical organic insoluble chromogen substrates including DAB, New Fuchsin, 4CIN, Fast Red/Naphthol AS-TR Phosphate, BCIP/NBT, and Vega Red. Clarion can be used for histology and cytology applications using manual and automated coverslipping techniques.

Clarion Mounting Medium is an environmentally safe product containing no toluene, xylene, benzene, or petroleum pollutants. This mounting medium is formulated with non-hazardous copolymers having high tenacity to glass and exhibiting remarkable non-yellowing and non-cracking characteristics. Specimens mounted with Clarion can be considered permanent preparations and should last indefinitely.

Clarion has a refractive index (nD) of 1.473. Unlike many available mounting media, Clarion will not lose its refractive index as a consequence of solvent evaporation. This phenomenon is commonly found in toluene- and xylene-based mounting media due to the fact that the solvent is mainly responsible for the refractive index of the mounting media. Clarion is designed with a copolymer formulation stable to solvent evaporation. This assures outstanding optical character and the absence of solvent evaporation spaces in the specimens upon extended storage.

Reagent

Clarion Mounting Medium is supplied ready-to-use.

Precautions and Disclaimer

Clarion Mounting Medium is for laboratory use only and not for drug, household or other use.

Storage/Stability

Store at room temperature away from flame. Keep away from moisture. Keep bottle tightly sealed.

Procedure

1. Dehydrate the tissue sections using graded alcohols* and Lemosol, toluene, xylene, or any other clearing agent.

*Procedure for Alcohol Grading:

After buffer, place in water bath 20-30 secs.

Then 30% alcohol 20-30 secs.

Then 70% alcohol 20-30 secs.

Then 100% alcohol 20-30 secs.

Then xylene, toluene 20-30 secs.

2. Place the slides on a horizontal surface and apply two small drops of Clarion to the tissue sections.
3. Carefully apply coverslip on top of the Clarion and let the medium spread evenly.
4. Place the slides on the bench top horizontally for drying. Drying times vary depending on the humidity and temperature. Slides can be placed in the oven set at 70 to 80 °C for 15 to 30 min. Remove the slides from the oven and allow them to cool to room temperature. The slides are now ready for microscopic visualization.

Notes:

- Some tissue sections, especially gastrointestinal sections or necrotic areas on the sections, have a significant number of microscopic air bubbles when Clarion is not completely dry. Thorough drying of the sections coverslipped with Clarion helps to reduce this effect.
- Removal of Clarion: When required, coverslips mounted with Clarion may be completely removed. Immerse slides in Lemosol, toluene or xylene and occasionally agitate the slides to assist the removal of the coverslip and the Clarion layer. Repeat this procedure until the coverslip and the medium are removed.

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MCF 3/06

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