



UranyLess in 30% Ethanol

**Enhanced Contrast
for very dense tissues:**
fibrous or lipid-rich tissues

UranyLess in 30% ethanol is a reagent specifically **developed for tissues that are difficult to contrast**, such as very dense, fibrous, or lipid-rich tissues such as those rich in collagen (e.g., cornea). The alcohol acts as a vector, allowing UranyLess to penetrate deep into these tissues and improve contrast.

It serves as an alternative to traditional uranyl acetate for biological sample preparation, providing **high-resolution imaging without the use of hazardous materials**.

Its ethanol-based formulation enhances contrast penetration while preserving the integrity of lipid structures.

Key Features:

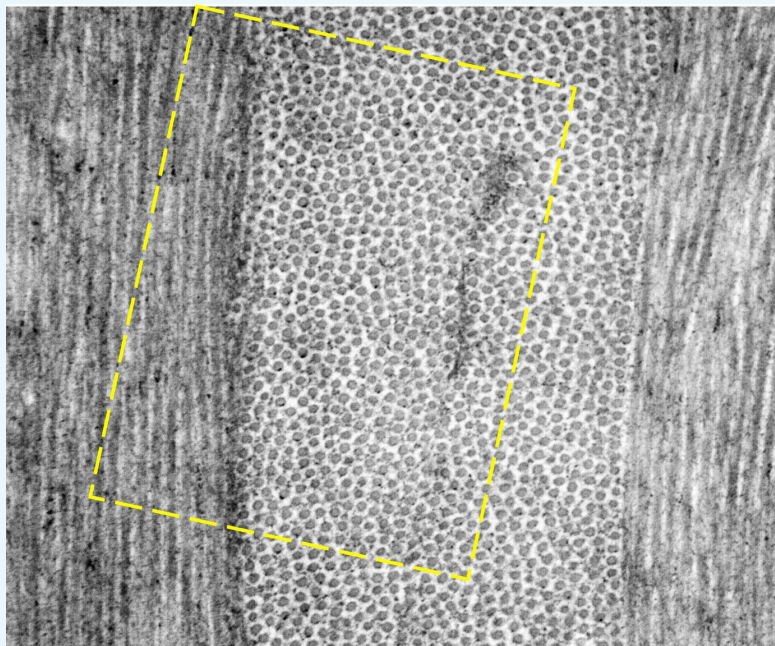
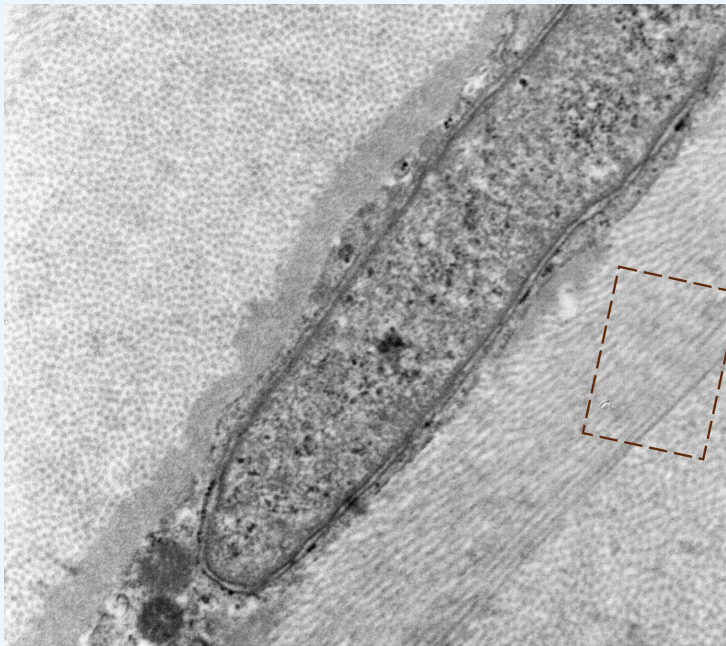
- Prepared in a 30% ethanol solution in water.
- Ethanol enhances contrast penetration, particularly in collagen-rich tissues.
- The 30% ethanol concentration provides an optimal balance for deep tissue penetration while preserving lipid structures.

Protocol :

- Contrast the sample for 1 to 2 minutes with UranyLess in ethanol.
- Wash the sample with a drop of 30% alcohol for 1 minute.
- Contrast Enhancement (Optional): Apply lead citrate (#DM22410) for 1 minute to further enhance contrast.

Transverse and longitudinal sections of corneal fiber bundles.

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Our R&D laboratory (EM-Grade) continues to develop new contrast tools with the goal of continuously improving contrast to better highlight all cellular microstructures across various tissue types.