Version 2.0

尼氏（Nissl）染色液

Nissl Staining Solution (Cresyl Violet)

Do not eat Store at room temperature & Protect from light

Cat.No.MHN3540 **Size : 100 mL**

Technical literature is available at: www.mesgenbio.com. E-mail MesGen Technical Services if you have questions on use of this system: tech@mesgenbio.com

Description

The Nissl staining is a classic nucleic acid staining method traditionally used on the detection of Nissl body in the cytoplasm of neurons on paraformaldehyde or formalin-fixed, paraffin embedded tissue sections. The Nissl body will be stained purple-blue. Nissl staining uses a cresyl violet solution to stain RNA, which is most abundant in the rough endoplasmic reticulum of nuclei.

Procedure

1. Sample preparation :

a. For cells in culture :

Fix the cells with the 4% paraformaldehyde for 10~20 minutes, and rinse twice with distilled water for 2~5 minutes.

b. For frozen sections: Rinse the sections with distilled water for 2~5 minutes.

c. For paraffin sections :

Dewax and rehydrate tissue section according to standard protocols. Rinse with distilled water for 2 minutes.

2. Nissl staining :

Add Nissl Staining Solution (Component A) and incubate at room temperature for 10~30 minutes.

Note : Each cell line should be evaluated on an individual basis to determine the optimal time to stain depending upon fixation and the type of cells.

3. Wash twice with distilled water, 2 minutes each.

Optional : after wash with distilled water, sample can be dehydrated in alcohol and cleared in xylene and mounted according to standard protocol.

4. Samples can be observed under microscopy.

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