



# Instructions For Use

## CEB-IFU-RUO

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### Cresyl Violet Acetate (1.0%, aqueous)

#### Description and Principle

Cresyl Violet Acetate (1.0%, aqueous) is designed for staining Nissl substance in neurons on formalin fixed, paraffin-embedded tissue. Nissl granules are purple, nuclei of neuroglia and endothelial cells are slightly bluer than Nissl granules.

#### Expected Results

Nissl Substance: Violet  
Neuroglia Nuclei: Violet to Dark Blue

#### Suggested Controls (not provided)

Cerebral Cortex

#### Uses/Limitations

Not to be taken internally.  
For Research use only.  
Histological applications.  
Do not use if reagent become cloudy.  
Do not use past expiration date.  
Use caution when handling reagent.  
Non-Sterile.

#### Storage

Store at 2-8°C.

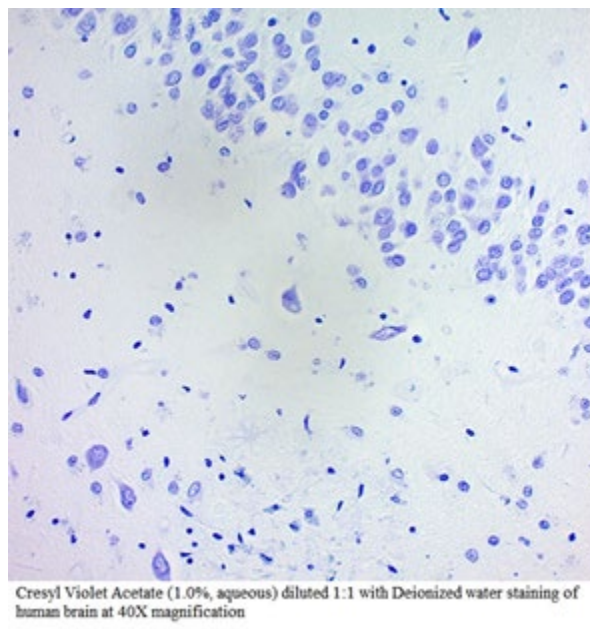
#### Safety and Precautions

Please see current Safety Data Sheets (SDS) for this product and components GHS classification, pictograms, and full hazard/precautionary statements.

#### Procedure

Working Solutions: If preferred, reagent may be diluted up to 1:10 with Deionized water just before use.

1. Deparaffinize sections and hydrate to distilled water.
2. Apply Cresyl Violet Acetate solution (or working solution) to tissue for 3-5 minutes
3. Rinse quickly in 1 change of distilled water.
4. Dehydrate quickly in absolute alcohol. (Alcohol may remove stain from tissue over time)
5. Clear in Xylene or Xylene substitute and mount in synthetic resin.



Cresyl Violet Acetate (1.0%, aqueous) diluted 1:1 with Deionized water staining of human brain at 40X magnification

#### References

1. Sheenan, D.C., Hrapchak, B.B. Theory and Practice of Histotechnology, 2nd Edition. Battelle Press, Columbus, OH. Page 262-264. 1980
2. Kluver, H., Barrera, E.A. A Method for the combined staining of cells and fibers in the nervous system. Journal of Neuropathology and Experimental Neurology, 1953, 12: pages 400-403.
3. Margaret M. Powers & George Clark (1955) An Evaluation of Cresyl Echt Violet Acetate as a Nissl Stain, Stain Technology, 30:2, 83-88,



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