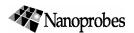
NANOVANTM



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PRODUCT INFORMATION

NANOVANTM

Product Name: NANOVAN

Catalog Number: 2011

Appearance: Colorless or pale yellow solution

Revision: 1.2 (March 2000)

GENERAL INFORMATION

NANOVANTM is a negative stain for electron microscopy specially tailored for use with NANOGOLDTM antibody conjugates, not available elsewhere. It is based on vanadium, which has a lower atomic number (23) than other elements commonly used as negative stain reagents such as uranium (92), tungsten (74) or lead (82). NANOVANTM is recommended for visualization of all samples labeled with NANOGOLDTM, and may be used in other applications where a relatively light stain is required. It produces a light, uniform negative stain. NANOVANTM is stable, non-volatile in the beam and will not denature protein samples.

NANOVAN™ is supplied ready-to-use, as a 2 % solution in water at pH 8.0. It is recommended that this product not be used at pH values lower than 7 since precipitation may occur.

NANOVANTM should be refrigerated upon receipt, and stored at 2 - 8°C.

INSTRUCTIONS FOR USE

NANOGOLDTM labeling, washing and postfixing (if required) should be completed as directed in the instructions supplied with the appropriate product, and the specimen rinsed thoroughly with deionized water. NANOVANTM is supplied ready-to-use as a 2 % solution in water at pH 8.0. Apply a few drops, sufficient to wet the specimen completely, then wick to remove the excess and observe as usual.

REFERENCES

- 1. Tracz, E., Dickson, D. W., Hainfeld, J. F., and Ksiezak-Reding, H. Brain Res., 773, 33-44 (1997).
- 2. Gregori, L., Hainfeld, J. F., Simon, M. N., and Goldgaber, D. Binding of amyloid beta protein to the 20S proteasome. *J. Biol. Chem.*, **272**, 58-62 (1997).
- 2. Hainfeld, J. F.; Safer, D.; Wall, J. S.; Simon, M. N.; Lin, B. J., and Powell, R. D.; *Proc. 52nd Ann. Mtg., Micros. Soc. Amer.*; G. W. Bailey and Garratt-Reed, A. J., (Eds.); San Francisco Press, San Francisco, CA, **1994**, p. 132.
- 3. Tracz, E.; Dickson, D. W.; Hainfeld, J. F., and Ksiezak-Reding, H.; *Proc. XIIIth Int. Cong. for Electr. Micros.*, Paris, **1994**, pp. 675-676.

Technical Assistance Available.

Rev. 1.2 (3/00)

