

Product Data Sheet

Product Name: Phosphotungstic Acid Negative Staining Solution (3%, pH 7.0)

Cat. No.: GC81408

Chemical Properties

Cas. No.

Formula

M.Wt

Solubility

Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

Phosphotungstic Acid Negative Staining Solution (3%, pH 7.0) is an electron microscopy negative stain. Phosphotungstic Acid Negative Staining Solution (3%, pH 7.0) forms an electron-dense

Caution: Product has not been fully validated for medical applications. For research use only.

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background around samples, enabling the imaging of viruses, bacterial, macromolecules and organelles [1].

In Vitro, Phosphotungstic Acid Negative Staining Solution (3%, pH 7.0) forms a bright outline around viable bacteria and penetrates dead bacteria to produce intense internal staining^[1].

References:

[1]. Zmerli O, et al. Rapid microbial viability assay using scanning electron microscopy: a proof-of-concept using Phosphotungstic acid staining. Computational and structural biotechnology journal. 2023;21:3627-3638.

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