

**Instructions for:
WP Glycol (cat # PT-GLYCOL-WP)**

STANDARD DESCRIPTION

- The WP Glycol standard is provided in a flame sealed ampule.
- The WP Glycol standard is packaged in water.
- Store the standard in the unopened ampule refrigerated (at ~4°C).

ADDITIONAL INFORMATION

- The standard has been provided as a concentrate that must be diluted prior to analysis.
- The standard should be analyzed as soon as possible after dilution.

STANDARD PREPARATION, ANALYSIS and STORAGE

1. For best results, the PT standard should be stored refrigerated and then brought to room temperature (near 20°C) when used.
2. Add approximately 990 mL of organic free deionized water class to a 1000 mL A volumetric flask.
3. Carefully open the ampule by snapping off the top at the narrow part of the neck.
4. Transfer exactly **2.0 mL** of the PT standard concentrate to the flask using a gas tight syringe and delivering the aliquot below the surface of the water.
5. Bring the volumetric flask to volume with organic free deionized water.
6. Mix the solution by inverting the volumetric flask a minimum of three times.
7. The standard is now ready for preparation and analysis per the selected method(s). We recommend that the standard be analyzed as soon as possible after dilution. If this is not possible, store the diluted standard at 4° C until analysis

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Water Pollution Proficiency Testing Concentration Ranges and PTRLs

Definitions:

PTRL

NELAC Proficiency Testing Reporting Limits (PTRLs) are provided as guidance to laboratories analyzing NELAC PT samples. At a minimum, the laboratory should use a method that is sensitive enough to generate quantitative results at the PTRLs shown. (REF: NELAC PT FOT Tables)

NA

Not Applicable (NA) has been applied to analytes where a PTRL is not applicable and to state specific analytes that have not had a PTRL determined by the applicable accrediting agency.

Glycols in Water (PT-GLYCOLS-WP)

NELAC Code	Analyte	Units	Concentration Range	PTRL
Additional State Specific Analytes				
-	Propylene glycol	mg/L	75.0 - 200	NA
4785	Ethylene glycol	mg/L	75.0 - 200	NA
4720	Diethylene glycol	mg/L	75.0 - 200	NA
-	Triethylene glycol	mg/L	75.0 - 200	NA
-	Tetraethylene glycol	mg/L	75.0 - 200	NA