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Folin-Ciocalteu Phenol TS

—Into a 1500-mL flask introduce 100 g of sodium tungstate, 25 g of sodium molybdate, 700 mL of water, 50 mL of phosphoric acid, and 100 mL of hydrochloric acid. Gently reflux the mixture for about 10 hours, and add 150 g of lithium sulfate, 50 mL of water, and a few drops of bromine. Boil the mixture, without the condenser, for about 15 minutes, or until the excess bromine is expelled. Cool, dilute with water to 1 L, and filter: the filtrate has no greenish tint. Before use, dilute 1 part of the filtrate with 1 part of water. When used for protein determination (i.e., Lowry assay), this reagent must be further diluted (1:5) with water. See *Method 2* in *Total Protein Assay* under [Biotechnology-Derived Articles—Total Protein Assay \(1057\)](#).

Auxiliary Information - Please [check for your question in the FAQs](#) before contacting USP.

Topic/Question	Contact	Expert Committee
FOLIN-CIOCALTEU PHENOL TS	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

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