

Vinegar Titration Lab Materials List

This materials list compiles the materials unique to the Vinegar Titration Lab. Students and instructors will also need materials from the [General Materials List](#) to complete this lab

Student Materials List

Item	Example Source	Price	Amount Needed/ Student	Notes
5% Acidity White Vinegar (food grade white vinegar)	Available at any grocery store	\$2+	Approx. 5-10 ml per student	Students working remotely may have access to their own vinegar
Vinegar titration micropads	Created by instructor	-	10+ per student	
pH paper	Fisher Scientific pH strips 1000pc	\$19.75	10+ per student	
Additional vinegars	Rice wine vinegar, apple cider vinegar, etc	\$2+	Approx. 1 ml per student	Optional extension experiment

Instructor Materials List

Item	Source	Price	Notes
NaOH	Fisher Scientific 1L 4M NaOH solution	\$60.85	Sodium hydroxide in any form is fine as long as it is at least 3 M to start with
Multichannel pipette	Fisherbrand Elite Variable Volume Multichannel Pipette	\$904.00	Instructors may have access through their institutions Needs to be used with corresponding pipette tips

			Optional, a single channel pipette can be used
Chromatography Paper	Whatman 3mm chromatography paper	\$65.79+ (various prices)	Various sheet sizes and prices available through Cytiva live sciences
Wax Printer	Xerox ColorQube 8580 Xerox ColorQube 8570 Xerox Phaser 8560	Not sold new, will need to be bought through a 3rd party seller	Used with compatible solid ink cartridges