



Code 6701-01

Order Code	Test System (Detailed On Pages 6-7)	Range/Sensitivity	# of Tests [# Reagents]	Reagent Refill Order Code	Shipping Code (Weight/Lbs)
FLUORIDE A red zirconium lake reacts with fluoride to form a colorless solution, which decreases the red color of the solution in proportion to concentration.					
3243 DC1500-FL	Colorimeter	0-2.0 ppm/0.03 ppm F ⁻	100 [2]	R-3243	LQ [7+5]
FORMALDEHYDE The colorimetric analysis uses a modified Schiff reaction in which an acidified pararosaniline and dichlorosulfotomercurate II complex form a violet color.					
6701-01	Octa-Slide 2 Comparator	0.0, 0.5, 1.0, 2.0, 4.0, 6.0, 8.0, 10.0 ppm Formaldehyde	100 [3]	R-6701-01	LQ [2+5]
GLUTARALDEHYDE High concentrations are determined by a titration with sulfuric acid after reaction with sulfite.					
7064-01	Direct Reading Titrator	1 mL = 250 ppm Glutaraldehyde	25 [5]	R-7064-01	R2 [3]
HARDNESS EDTA titration is used for all hardness determinations, with a red to blue endpoint. Both total and calcium hardness buffers include inhibitors to eliminate metal interferences. All results are as CaCO ₃ ; some kits also express results as gpg. The 3609, which is recommended for salt water analysis, includes a conversion factor for Ca ⁺⁺ . The -LI suffix indicates an all liquid kit; -LT indicates a liquid buffer and tablet indicator.					
3609-01	Fresh & Salt Water Calcium Hardness Direct Reading Titrator	0-200 ppm/4 ppm CaCO ₃ 0-2,500 ppm by dilution	50 [3]	R-3609-01	R1 [1]
4482-DR-LI-01	Total Hardness Direct Reading Titrator	0-200 ppm/4ppm CaCO ₃ Liquid indicator	50 at 200 ppm [3]	R-4482-DR-LI-01	R1 [1]
4482-LI-02	Total Hardness Dropper Bottle	1 drop = 10 ppm or 1 gpg CaCO ₃ Liquid indicator	50 at 200 ppm or 20 gpg [3]	R-4482-LI-02	R1 [1]
4482-DR-LT-01	Total Hardness Direct Reading Titrator	0-200 ppm/4 ppm CaCO ₃ Tablet indicator	50 at 200 ppm [3]	R-4482-DR-LT-01	R1 [1]
4824-LT-02	Calcium, Magnesium, Total Hardness Dropper Bottle	1 drop = 10 ppm or 1 gpg CaCO ₃ Tablet indicator	50 at 200 ppm or 20 gpg [5]	R-4824-LT-02	R1 [1]
4824-DR-LT-01	Calcium, Magnesium, Total Hardness Direct Reading Titrator	0-200 ppm/4 ppm CaCO ₃ Tablet indicator	50 at 200 ppm [5]	R-4824-DR-LT-01	R1 [1]
3037-DR-01	Low Range Total Hardness Direct Reading Titrator	0-10 ppm/0.2 ppm CaCO ₃	50 at 10 ppm [3]	R-3037-DR-01	R1 [1]

Hardness continued next page...

Hardness | Iron

Hardness originally referred to the ability of water to lather with soap. The more calcium and magnesium ions present, the “harder” it was to produce a lather.



Code 4482-LI-02

Order Code	Test System [Detailed On Pages 6-7]	Range/Sensitivity	# of Tests [# Reagents]	Reagent Refill Order Code	Shipping Code [Weight/Lbs]
HARDNESS ...Continued					
7171-02	Total Hardness Dropper Bottle	1 drop = 10, 25, or 50 ppm CaCO ₃	100 [3]	R-7171-02	R1 [1]
7246-02	Total Hardness Dropper Bottle	1 drop = 2, 5, or 10 ppm CaCO ₃	100 [3]	R-7246-02	R1 [1]
HYDROGEN PEROXIDE Although peroxide may be tested colorimetrically with DPD, the most common method is iodometric titration using a standard thiosulfate solution. Both methods are offered.					
7138-DB-01	Iodometric Dropper Bottle	1 drop = 5 ppm H ₂ O ₂	50 [4]	R-7138-DB-01	LQ [2]
7150-01	Iodometric Dropper Bottle	1 drop = 0.5% H ₂ O ₂	50 [4]	R-7150-01	LQ [2]
2984LR	Test Strips	0, 1, 3, 10, 30, 50	25 [1]	R-2984LR-H	NH [1]
IODINE As with many other oxidizers, iodine may be titrated with a standard thiosulfate solution, hence the name iodometric titration.					
7253-DR-01	Direct Reading Titrator	0-50 ppm/1 ppm I ₂	50 at 50 ppm [3]	R-7253-DR-01	R1 [1]
7253-01	Dropper Pipet	1 drop = 2.5 ppm I ₂	100 at 25 ppm [3]	R-7253-DR-01	R1 [1]
2948-BJ	Test Papers	12, 25, 50, 100 ppm I ₂	200	R-2948-BJ	NH [1]
IRON Bipyridyl is a ferrous iron indicator that tests total iron after any ferric iron is reduced to ferrous in the sample. Ferrous and ferric may be tested separately by eliminating the reduction step. A similar ferrous indicator, 1,10 phenanthroline, is used in the DC1500 kit.					
7787-01	Total Iron LRC Comparator	0.05, 0.10, 0.20, 0.30, 0.40, 0.60, 0.80, 1.0 ppm Fe	30 [2]	R-7787-01	R1 [1]
4447-01	Total Iron Octa-Slide	0.5, 1.0, 2.0, 3.0, 4.0, 6.0, 8.0, 10.0 ppm Fe	90 [2]	R-3318	R1 [1]
3347-01	Ferrous/Ferric Iron Octa-Slide 2 Comparator	0.5, 1.0, 2.0, 3.0, 4.0, 6.0, 8.0, 10.0 ppm Fe	100 [3]	R-3347-01	R1 [1]
3248 DC1500-FE	Total Iron 1, 10 Phenanthroline Colorimeter	0-4.0 ppm/0.25 ppm Fe	100 [2]	R-3681-01	R1 [1]

Ship Codes: [NH] Non-Hazardous Material - No Fees · [R1] Small Qty. Hazardous Material - No Fees · [LQ, R2, R3] Hazardous Material - Air Fees Only · [HF] Hazardous Material - Air & Ground Fees
 *(NPDR) EPA Accepted · †(NPDES) EPA Accepted · Direct Reading Titrators have a specific range, but may be refilled to test higher concentrations.