

Test Kits

	Parameter	details	Range	Tests	LDB Cat. Number	HACH Cat. Number	LDB Price (T)	HACH Price (\$)
1	Boron	High Range, Carmine Method	0.2 to 14.0 mg/L B	100	K024-100	1417099	822,000	90.09
				50	K024-50	1417099	438,000	45.00
2	Chloride	Mercuric Thiocyanate Method	0.1 to 25.0 mg/L Cl ⁻	120-250	K002-250	2319800	504,000	75.55
				60-125	K002-125	2319800	279,000	37.80
		Ferric Ion Solution	--	100 mL	K002B	2212242	162,000	23.95
		Mercuric Thiocyanate Solution	--	200 mL	K002A	2212129	355,000	52.99
3	Chromium hexavalent	1,5-Diphenylcar- bohydrazide Method	0.010 to 0.700 mg/L Cr ⁶⁺	100	K014	1271099	333,000	36.49
4	Chlorine Free	DPD Method, Powder Pillows	0.02 to 2.00 mg/L Cl ₂	100	K0131	2105569	156,000	21.85
5	Chlorine Total	DPD Method	0.02 to 2.00 mg/L Cl ₂	100	K0231	2105669	198,000	21.85
6	Cyanide	Pyridine-Pyrazalone Method, Powder Pillows	0.002 to 0.240 mg/L CN ⁻	100	K026-100	2430200	879,000	96.85
				50	K026-50	2430200	488,000	48.43
		CyaniVer® 3 Cyanide Reagent	--	100/pk	K026A	2106869	306,000	33.65
		CyaniVer® 4 Cyanide Reagent	--	100/pk	K026B	2106969	306,000	33.65
		CyaniVer® 5 Cyanide Reagent	--	100/pk	K026C	2107069	306,000	33.65

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7	Iron, Ferrous	1-10 Phenanthroline Method	0.02 to 3.00 mg	100	K022	103769	269,000	29.49
8	Iron, Total	FerroVer Method	0.02 to 3.00 mg	100	K023	2105769	238,000	25.79
9	Nitrite	Low Range, Diazotization Method	0.002 to 0.300 mg/L NO ₂ ⁻ -N	100	K0101-100	2107169	395,000	43.00
				50	K0101-50	2107169	214,000	21.50
		High Range, Ferrous Sulfate Method	2 to 250 mg/L NO ₂ ⁻	100	K0102-100	2107569	395,000	43.00
				50	K0102-50	2107569	214,000	21.50
10	Oxygen Demand, Biochemical (BOD)	Lithium Hydroxide, Powder Pillows	0 to 700 mg/L	100	R001	1416369	332,000	36.35
		Nutrient Buffer Pillows, for 300 ml	0 to 700 mg/L	50	R002	1416066	119,000	12.45
		Nutrient Buffer Pillows, for 3000 ml	0 to 700 mg/L	50	R003	1486166	352,000	39.69

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11	Silica	Low Range, Heteropoly Blue Method	0.010 to 1.600 mg/L SiO ₂	100	K0161-100	2459300	672,000	73.55
				50	K0161-50	2459300	363,000	36.78
		Amino Acid F Reagent	--	100/pk	K0161A	2254069	216,000	23.59
		Citric Acid Powder Pillows	--	100/pk	K0161B	2106269	343,000	37.50
		Molybdate 3 Reagent Solution	--	50 mL	K0161C	199526	191,000	20.85
11	Silica	High Range, Heteropoly Blue Method	1 to 100 mg/L SiO ₂	100	K0162-100	2429600	779,000	85.15
				50	K0162-50	2429600	418,000	42.56
		Acid Reagent Powder Pillows	--	100/pk	K0162A	2107469	306,000	33.45
		Citric Acid Powder Pillows	--	100/pk	K0162B	2106269	232,000	25.25
		Molybdate Reagent Powder Pillows	--	100/pk	K0162C	2107369	304,000	33.15
12	Surfactants, Anionic (Detergents)	Crystal Violet Method	0.002 to 0.275 mg/L as LAS	50	K019	2446800	450,000	222.00
		Buffer for detergents	--	500 mL	K019A	45249	238,000	25.11
		Detergent Reagent Powder Pillows	--	25/pk	K019B	100868	113,000	11.75

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13	Sulfide	Methylene Blue Method	5 to 800 µg/L S ²⁻	100-200 Tests (100 mL)	K017-100	2244500	525,000	59.29
				50-100 Tests (50 mL)	K017-50	2244500	298,000	29.65
		Sulfide 1 Reagent	--	100 mL	K017A	181632	202,000	22.75
		Sulfide 2 Reagent	--	100 mL	K017B	181732	198,000	22.35
14	Sulfate	Turbidimetric Method, Powder Pillows	2 to 70 mg/L SO ₄ ²⁻	100	K004	2106769	322,000	35.09
15	Phenols	4-Aminoantipyrine Method	0.002 to 0.200 mg/L	100	K006-100	2243900	1,199,000	150
				50	K006-50	2243900	672,000	82.99
		Hardness 1 Buffer Solution	--	500 mL	K006A	42449	233,000	29.05
		Phenol 2 Reagent	--	100/pk	K006C	183699	346,000	43.25
		Phenol Reagent	--	100/pk	K006B	87299	624,000	78.19
16	Phosphorus , Reactive	Low Range, Ascorbic Acid Method, Powder Pillows	0.02 to 2.50 mg/L PO ₄ ³⁻	100	K009	2106069	385,000	37.50
		High Range, Molybdovanadate Method	0.3 to 45.0 mg/L PO ₄ ³⁻	100-200 Tests (100 mL)	K008	2076032	210,000	17.95

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17	Nitrogen, Total	Low Range, Persulfate Digestion Method	0.5 to 25.0 mg/L N	50	K0111-50	2672245	1,182,000	159.00
				25	K0111-25	2672245	624,000	79.50
		High Range, Persulfate Digestion Method	2 to 150 mg/L N	50	K0112-50	2714100	1,199,000	171.00
				25	K0112-25	2714100	660,000	85.50
18	Nitrate	Medium Range, Cadmium Reduction Method	0.1 to 10.0 mg/L N- NO ₃ ⁻	100	K0152-100	2106169	435,000	47.45
				50	K0152-50	2106169	234,000	23.73
		High Range, Cadmium Reduction Method	0.3 to 30.0 mg/L N- NO ₃ ⁻	100	K0153-100	2106169	435,000	47.45
				50	K0153-50	2106169	234,000	23.73
		High Range, Chromotropic Acid Method	0.3 to 30.0 mg/L N- NO ₃ ⁻	50	K018-50	2605345	803,000	89.25
19	Phosphorus, Total	Low Range, Acid Persulfate Digestion	0.06 to 3.50 mg/L PO ₄ ³⁻	50	K0051	2742645	953,000	73.30
		Low Range, Acid Persulfate Digestion	1-100 mg/L PO ₄ ³⁻	50	K0052	2767245	975,000	111.00

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20	Fluoride	SPADNS Method	0.02 to 2.00 mg/L F ⁻	250-500 (1000 mL)	K003-1000	44449	598,000	42.15
			0.02 to 2.00 mg/L F ⁻	125-250 (500 mL)	K003-500	44449	328,000	29.79
21	Oxygen Demand Chemical (COD)	Ultra-Low Range, Reactor Digestion Method	1-40 mg/L O ₂	25	K0010	2415825	576,000	43.19
		Low Range, Reactor Digestion Method	3-150 mg/L O ₂	25	K0011	2125825	576,000	43.19
		High Range, Reactor Digestion Method	20-1500 mg/L O ₂	25	K0012	2125925	576,000	43.19
		Ultra-High Range, Reactor Digestion Method	200-15000 mg/L O ₂	25	K0013	2415925	576,000	43.19
22	Nitrogen, Ammonia	Nessler Method, Reagent set	0.02 to 2.50 mg/L NH ₃ -N	250-500 Tests (500 mL)	K007-500	2458200	991,000	86.09
				125-250 Tests (250 mL)	K007-250	2458200	547,000	43.045
		Mineral stabilizer	--	50 mL	K007A-50	2376626	154,000	16.55
				25 mL	K007A-25	2376626	85,000	8.27
		Polyvinyl alcohol	--	50 mL	K007B-50	2376526	136,000	14.55
				25 mL	K007B-25	2376526	75,000	7.27
		Nessler Reagent	--	500 mL	K007C-500	2119449	750,000	57.05
				250 mL	K007C-250	2119449	414,000	27.03

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23	Sulfite	Colorimetric Method	0.10 to 5.00 mg/L SO ₃ ²⁻	100	K040	HPT430	599,000	36.04
		Sulfite Reagent A	--	28 mL	K040A (A)	----		
		Sulfite Reagent B	--	8.7 mL	K040B (B)	----		
24	Organic Carbon, Total (TOC)	Direct Method	0.3 to 20 mg/L C	50	K030	2760345	2,287,000	489
		Direct Method	15 to 150 mg/L C	50	K031	2815945	2,287,000	489
		Direct Method	100 to 700 mg/L C	50	K032	2760445	2,287,000	489
25	Barium	Turbidimetric Method	2 to 100 mg/L Ba ²⁺	100	K041	1206499	323,000	43.35
26	Cadmium	Dithizone Method	0 to 80.0 µg/L Cd ²⁺	100	K0421	2242200	2,900,000	680
27	Aluminum	Aluminom Method	0.008 to 0.800 mg/L Al ³⁺	100	K054	2242000	1,110,000	144
28	Cobalt	1-(2-pyridylazo)-2- Naphthol (PAN)	0.01 to 2.00 mg/L Co ²⁺	100	K043	2651600	957,000	172
29	Copper	USEPA Bicinchoninate	0.04 to 5.00 mg/L Cu ²⁺	100	K0452	2105869	470,000	51.15

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31	Formaldehyde	Low Range, MBTH Method	3 to 500 µg/L CH ₂ O	100	K070	2257700	1,700,000	206
		Medium Range, Calibration	0.1 to 10 mg/L CH ₂ O	50	K071	-----	912,000	-----
		High Range, Calibration	1 to 100 mg/L CH ₂ O	50	K072	-----	912,000	-----
32	Hardness (Ca & Mn)	Calmagite Colorimetric Method	0.05 to 4.00 mg/L Ca & Mg as CaCO ₃	100	K039	2319900	539,000	76.95
		Alkali Solution	--	100 mL	K039A	2241732	149,000	21.25
		Ca & Mn Indicator Solution	--	100 mL	K039B	2241832	166,000	23.65
		EDTA Solution, 1 M	--	50 mL	K039C	2241926	109,000	15.49
		EGTA Solution	--	50 mL	K039D	2229726	159,000	22.75
33	Lead	USEPA Dithizone Method	3 to 300 µg/L Pb	60-100	K0501	2243100	2,950,000	462
		Buffer Powder Pillows	--	100/pk	K051A	1420299	524,000	81.95
		DithiVer Metals Reagent Powder	--	100/pk	K051B	1445817	1,545,000	242
		Potassium Cyanide	--	2* 125 gr	K051C	76714	510,000	79.85
		Sodium Hydroxide Solution, 5.0 N	--	1000 mL	K051D	245053	180,000	28.25
		Sodium Hydroxide Standard Solution, 5.0 N	--	2* 59 mL	K051E	245026	186,000	28.9

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34	Manganese	1-(2-pyridylazo)-2-Napthol (PAN)	0.006 to 0.700 mg/L Mn ²⁺	50	K048	2651700	419,000	60.89
		Alkaline Cyanide Reagent	--	50 mL	K048A	2122326	144,000	20.79
		Ascorbic Acid Powder Pillows	--	100/pk	K048B	1457799	174,000	25.30
		PAN Indicator Solution	--	50 mL	K048C	2122426	137,000	19.85
34	Manganese	USEPA Periodate Oxydation	0.1 to 20.0 Mn	100	K055	2430000	675,000	71.45
		Buffer Powder Pillow	--	100	K055A	2107669	415,000	43.90
		Sodium Periodate Powder Pillow	--	100	K055B	2107769	276,000	29.15
35	Nickel	1-(2-pyridylazo)-2-Napthol (PAN)	0.006 to 1.000 mg/L Ni ²⁺	100	K049	2651600	1,010,000	172
		EDTA Reagent Powder Pillow	--	2* 100/pk	K049A	700599	402,000	68.30
		Phthalate-Phosphate Reagent Powder Pillow	--	2* 100/pk	K049B	2615199	388,000	65.70
		PAN Indicator Solution	--	100 mL	K049C	2150232	256,000	43.29

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36	Molybdenum	Ternary Complex Method	0.02 to 3.00 mg/L Mo	100	K0551	2449400	650,000	67.85
		Molybdenum 1 Reagent	--	100/pk	K0551A	2352449	310,000	32.29
		Molybdenum 2 Reagent Solution	--	50 mL	K0551B	2352512	364,000	37.95
36	Molybdenum	Mercaptoacetic Acid	0.3 to 40.0 mg/L	100	K0552	2604100	1,056,000	112
		MolyVer 1 Reagent Powder Pillow	--	100/pk	K0552A	2604299	361,000	38.29
		MolyVer 2 Reagent Powder Pillow	--	100/pk	K0552B	2604399	361,000	38.29
		MolyVer 3 Reagent Powder Pillow	--	100/pk	K0552C	2604499	361,000	38.29
37	Oxygen Scavengers	Iron Reduction Method	3 to 450 µg/L DEHA	100	K044	2446600	905,000	112
		DEHA Reagent 1 Powder Pillows	--	2* 100/pk	K044A	2167969	378,000	46.70
		DEHA Reagent 2 Solution	--	100 mL	K044B	2168042	180,000	22.19
		Hydrochloric Acid, 1:1, 6.0 N	--	500 mL	K044C	88449	233,000	28.79
38	Potassium	Tetraphenylborate Method	0.1 to 7.0 mg/L K ⁺	100	K046	2459100	1,140,000	210
		Potassium Reagent 1	--	100/pk	K046A	1432198	371,000	68.20
		Potassium Reagent 2	--	100/pk	K046B	1432298	324,000	59.80
		Potassium Reagent 3	--	100/pk	K046C	1432399	451,000	82.99

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39	Zinc	USEPA Zincon Method	0.01 to 3.00 mg/L Zn ²⁺	100	K053	2429300	492,000	69.09
		Cyclohexanone	--	100 mL	K053A	1403332	138,000	19.45
		ZincoVer 5 Reagent	--	100/pk	K053B	2106669	392,000	55.05
40	Iron	Ferrozine Method, Reagent solution	0.01 to 2.00 mg/L Fe	500 mL	K0211-500	230149	1,440,000	79.95
				250 mL	K0211-250	230149	720,000	43
41	Iron	Ferrozine Method, Powder Pillows	0.01 to 2.00 mg/L Fe	50	K0212	230166	311,000	23.27
42	Nitrogen, Ammonia	Ultra-Low Range Salicylate Method	0.01 to 0.50 mg/L NH ₃ -N	100	K028	2668000	804,000	124
		Low Range Salicylate Method	0.02 to 2.50 mg/L NH ₃ -N	50	K060	2668000	972,000	124
		High Range Salicylate Method	0.4 to 50.0 mg/L NH ₃ -N	50	K029	2606945	954,000	109
43	Bromine	DPD Method	0.05 to 4.50 mg/L Br ₂	100	K056	2105669	179,000	21.85
44	Iodine	DPD Method	0.07 to 7.00 mg/L I ₂	100	K057	2105669	179,000	21.85
45	Chlorine Dioxide	DPD Glycine Method	0.04 to 5.00 mg/L ClO ₂	100	K058	2770900	427,000	45.25

46	Nitrogen Total Kjeldahl (TKN)	Nessler Method	1 to 150 mg/L TKN	250	K059	2495300	1,620,000	204
47	Chromium, Total	Alkaline Hypobromite Oxidation	0.01 to 0.70 mg/L Cr	100	K061	2242500	1,434,000	162
48	Sulfite	Iodate-Iodide Method	0-500 mg/L SO ₃ ²⁻	100	K080	2459800	806,000	86.35
49	Oxygen, Dissolved	Azide Modification Of Winkler	1 to 10 mg/L	100	K081	2351400	660,000	96.85
50	Hardness, Total & Calcium	EDTA Titration	0 to 25000 mg/L CaCO ₃	100	K082	2448200	792,000	112
51	Hardness, Calcium	EDTA Titration	0 to 5000 mg/L CaCO ₃	100	K083	2447000	324,000	58.19
			1000 to 25000 mg/L CaCO ₃	100	K083	2447000	384,000	58.19
			0 to 25000 mg/L CaCO ₃	100	K083	2447000	432,000	58.19
52	Hardness, Total	EDTA Titration	0 to 5000 mg/L CaCO ₃	100	K084	2447600	324,000	54.85
			1000 to 25000 mg/L CaCO ₃	100	K084	2447600	384,000	54.85
			0 to 25000 mg/L CaCO ₃	100	K084	2447600	432,000	54.85
53	Hydrogen Peroxide	Drop Count Titration	0 to 10 H ₂ O ₂	100	K085	2449100	444,000	82.89

54	Methanol in Ethanol	Chromotropic acid	0.01 to 0.2 % CH ₃ OH	50	K0200	-----	1,182,000	-----
55	Acidity, Phenolphthalein	Phenolphthalein (Total) Acidity	0 to 10000 mg/L CaCO ₃	100	K086	94299	345,000	19.69
56	Acidity, Methyl Orange	Methyl Orange (Total) Acidity	0 to 10000 mg/L CaCO ₃	100	K087	1455099	405,000	27
57	Acid-Base	Acid and Base determination	0 to 25000 meq/L	100	K088	-----	1,330,000	
58	Chloride	Silver Nitrate Method	0 to 25000 mg/L Cl ⁻	100	K089	-----	998,000	104.83
59	Volatile Acid	Sodium Hydroxide Method	100 to 2400 mg/L CH ₃ COOH	100	K090	-----	367,000	