HACH®

Be Right™



Color Disc Test Kits

Color Disc Test Kits

Color disc test kits use visual color matching to determine analyte concentration and are widely used for rapid, on site water quality monitoring across a broad range of industries. These kits deliver professional grade, visual results without the need for complex laboratory equipment, power sources, or batteries.

Designed for portability and ease of use, color disc test kits are rugged, simple to operate, and provide rapid results with minimal training. They offer an economical and versatile solution for a wide range of chemistry testing applications and are commonly used in water treatment and municipal facilities, industrial plants, food processing operations, agriculture, and environmental testing in both laboratory and field settings.

In color disc methods, reagents are added to a water sample to produce a color proportional to the analyte concentration. The developed color is then compared against a standardized color disc until a match is achieved, with the corresponding concentration displayed in a viewing window.

Accurate results depend on the analyst's ability to distinguish subtle color differences, particularly when hues fall within similar ranges (for example, the reddish orange tones associated with the phenanthroline method for iron). Samples exhibiting turbidity or inherent color should be treated to remove interferences prior to analysis.

Each color disc test kit includes all required apparatus, reagents, and clear instructions, conveniently packaged in a durable carrying case suitable for both field and laboratory use.



PN 147011 wide range pH



PN 223400 Color



PN 2194100 Free and Total copper

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Available Single Parameter Color Disc Test Kits

Item Number	Description	Parameter	Range
2842800	**Chlorine Dioxide Color Disc Test Kit, Model CLD-2**	Chlorine Dioxide	0–2.0 ppm ClO_2
223102	Free Chlorine Test Kit, Model CN-66F	Free Chlorine, LR	0–3.4 mg/L Cl_2
1454201	**Free Chlorine Test Kit, Model CN-70F**	Free Chlorine, LR	0.02–0.68 mg/L Cl_2 0–3.4 mg/L Cl_2
1454200	Free & Total Chlorine Test Kit, Model CN-70	Chlorine Free & Total, LR	0.02–0.68 mg/L Cl_2 0–3.4 mg/L Cl_2
2129000	Free & Total Chlorine Test Kit, Model CN-80	Chlorine Free & Total, LR	0–0.68 mg/L Cl_2 0–3.4 mg/L Cl_2 0–10 mg/L Cl_2
223101	Free & Total Chlorine Test Kit, Model CN-66	Chlorine Free & Total, LR	0–3.4 mg/L Cl_2
223103	Total Chlorine Test Kit, Model CN-66T	Total Chlorine, LR	0–3.4 mg/L Cl_2
1454202	**Total Chlorine Test Kit, Model CN-70T**	Total Chlorine, dual range	0.02–0.68 mg/L Cl_2 0.1-3.4 mg/L Cl_2
183400	Chromium color disc test kit, model CH-8	Diphenylcarbazide	0–1.3 Cr^{6+}
222800	Chromium Test Kit, Model CH-12, Color Disc, 0.1-1.3 mg/L Cr	As hexavalent & total Cr (trivalent by differ-ence, digestion required)	0.1-1.3 mg/L Cr
223400	Color Test Kit, Model CO-1	APHA Platinum – Cobalt Standard	0–100 units 0–500 units
1421300	Copper (Free) Test Color Disc Test Kit, Model CU-5	Bicinchoninate	0–4 mg/L Cu
2194100	Copper (Free & Total) Color Disc Test Kit, Model CU-6	Copper, Dissolved & Total Bicinchoni-nate, Hydrosulfite reduction	0–4 mg/L Cu
201002	Cyanide Test Kit, Model CYN-3	Free Cyanide	0–0.3 mg/L CN^-
143203	**Detergents test kit, model DE-2**	Detergents - As LAS and/or ABS deter-gents	0–1.2 mg/L LAS
2515050	**Dissolved Oxygen Accuvac Test Kit**	Dissolved Oxygen - As DO	0–15 mg/L O_2
2587200	Glutaraldehyde Test Kit, Model GT-1	Glutaraldehyde	1–2800 mg/L multiple ranges
184900	**Hydrazine color disc test kit, model HY-2**	Hydrazine - As N2H4	0–1 mg/L N_2H_4
223801	Hydrogen Sulfide Test Kit, Model HS-WR	Hydrogen Sulfide	0.01–0.55 0.05–2.25 0.25–11.25 mg/L S^{2-}
2537800	Hydrogen Sulfide Test Kit, Model HS-C	Hydrogen Sulfide	0–5 mg/L H2S (color chart)
146400	Iron Test Kit, Model IR-18	Iron, Dissolved, MR	0–4 mg/L Fe
146401	Iron Test Kit, Model IR-18B	Iron, Dissolved, MR	0.25–7 mg/L Fe
146500	Iron Test Kit, Model IR-18A	Iron, Dissolved, MR	0.02–1.00 mg/L Fe
2299300	Iron Color Disc Test Kit, Model IR-21	Iron (TPTZ)	0–2.0 mg/L Fe 0–1.2 mg/L Fe

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255600	Iron Color Disc Test Kit, Model IR-24	Iron, Ferrous (ferrozine)	0–0.2 mg/L Fe 0–1.0 mg/L Fe
2667200	Iron (Ferrous) Color Disc Test Kit, Model IR-18C, 0-7 mg/L	Iron, Ferrous	0–7 mg/L Fe^{2+}
146700	Manganese Test Kit, Model MN-5	Manganese - As Mn	0–3.0 mg/L Mn
2350800	Manganese Test Kit, Model MN-PAN	Manganese - As Mn	0–0.70 mg/L Mn
1419301	**Molybdate Test Kit, Model MO-2**	Molybdate - as Molybdenum	0–8 mg/L Mo 0–40 mg/L Mo
2359300	Molybdate Test Kit, Model MO-LR	Molybdate - as Molybdenum	0-3.0mg/L Mo
224000	Nitrogen, Nitrite Color Disc Test Kit, Model NI-6	Nitrite as NO2-	0 – 80 0–1600 mg/L
2182000	Nitrogen, Nitrite Test Kit, Model NI-15	Nitrogen Nitrite	0–0.40 mg/L NO_2^--N
2428700	Nitrogen-Ammonia Test Kit, Model NI-SA	Ammonia N (salicylate)	0–2.4 mg/L NH_3-N
224100	Nitrogen, Ammonia Test Kit, Model NI-8	Ammonia (Nesslers)	0–3.0 mg/L NH_3-N
1416100	Nitrogen-Nitrate Test Kit, Model NI-14	Nitrogen-Nitrate	0–10 mg/L NO_3-N
146803	Nitrogen-Nitrate Test Kit, Model NI-11	Nitrogen-Nitrate	0–40 mg/L NO_3-N
1408100	Nitrate-Nitrite Test Kit, Model NI-12	Nitrogen, Nitrate/Nitrite	0–40 mg/L NO_3^--N 0.01–0.40 mg/L NO_2^--N
224800	Phosphorus, Orthophosphate (Reactive) Test Kit, Model PO-19	Phosphorus, Orthophosphate (Reactive) - as PO43-	0–0.8 mg/L PO_4 0–4 mg/L PO_4 0–40 mg/L PO_4
224801	Phosphorus, Orthophosphate (Reactive) Test Kit, Model PO-19A	Phosphorus, Orthophosphate (Reactive) - as PO43- (Includes filtration for turbid samples.)	0–0.8 mg/L PO_4 0–4 mg/L PO_4 0–40 mg/L PO_4
147500	Phosphorus, orthophosphate (reactive) test kit, model PO-14	Orthophosphate (reactive) - As PO43-	0–4.4 mg/L PO_4
2349500	Oxygen Scavenger Test Kit, Model OS-1, Color Disc, 50 tests	As DEHA, hydroquinone,erythorbic acid, and methylethylketoxime	0–52 µg/L 0–1360 µg/0–300 µg/L As DEHA (and other Oxygen Scavengers)
2064400	Ozone Test Kit, Model OZ-2	Ozone - As O3	0–2.2 mg/L O_3
2518050	Ozone Test Kit, AccuVac® Color Disc, HR 0.1-1.50 mg/L	Ozone - As O3	0–1.50 mg/L O_3
2483600	Phenols Test Kit, Model PL-1	4-aminoantipyrine	0–4.0 mg/L
147006	pH Test Kit, Model 17F	pH, mid range	5.6–8.4 pH
147008	pH Test Kit, Model 17H	pH, mid range	6.6–8.4 pH
147009	pH Test Kit, Model 17J	pH, mid range	7.4–9.6 pH
147011	pH Test Kit, Model 17N	pH, wide range	4–10 pH

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2113100/2113302	Phosphonate Test Kit, Model PN-10, with 115 or 230 Vac UV Lamp and Power Supply	Phosphonate - As PO43-	0–100 mg/L PO_4
2113301	Phosphonate Test Kit, Model PN-10, without UV Lamp and Power Supply	Phosphonate - As PO43-	0–100 mg/L PO_4
224902	Phosphate Test Kit, Model PO-23 (requires Digestion)	Phosphate, ortho-/meta- - As PO43-	0–4 mg/L PO_4 0–40 mg/L PO_4
225001	Phosphate Test Kit, Total Ortho-/Meta-, Model PO-24 (requires Digestion)	Phosphate, total ortho-/meta- - As PO43-	0 - 0.8 mg/L PO_4 0–4 mg/L PO_4 0–40 mg/L PO_4
193701	Tannin/Lignin Test Kit	Tannin/Lignin - As tannic acid	0–15 mg/L as Tannic Acid 0–150 mg/L as Tannic Acid
2167500	Triazole Test Kit, Model TZ-1, with 115 Vac UV Lamp and Power Supply	Triazole - As benzotriazole	0–15.0 mg/L
2167570	Triazole Test Kit, Model TZ-1, without UV Lamp and Pow-er Supply	Triazole - As benzotriazole	0–15.0 mg/L
2255000	Silica Test Kit, Model SI-7	Silica, low range - As SiO2	0–1 mg/L SiO_2
1455400	Silica Test Kit, Model SI-5	Silica, HR	0–30 mg/L SiO_2 0–600 mg/L SiO_2

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