

Chemical Test Kits

Chlorine, Total**HI 3831T Total Chlorine Test Kit**
(HI3831T/S - for Spain)**HI 38016 Total Chlorine Test Kit**
Medium range with checker disc**HI 38019 Total Chlorine Test Kit**
Low and medium range with checker disc**HI 38022 Total Chlorine Test Kit**
High Range Test Kit**HI 38023 Total Chlorine Test Kit**
Extended range**HI 3888 Total Chlorine & pH Test Kit**
With color comparison cube**ORDERING INFORMATION****HI 3831T** and **HI 3831T/S** test kits comes with color comparison cube, 20 mL chlorine reagent 1, 15 mL chlorine reagent 2 and 15 mL chlorine reagent 3**HI 38016** test kit comes with HI 90711-0 total Cl reagent (100 packets), 500 mL deionized water, checker disc, glass vials with caps (2) and 3 mL plastic pipette.**HI 38019** test kit comes with HI 93711-0 total Cl reagent (100 packets), demineralizer bottle with filter cap for 12 L, checker disc, glass vials with caps (2) and 3 mL plastic pipette.**HI 38022** test kit comes with 30 mL potassium iodide solution, sulfamic reagent (100 packets), 25 mL starch indicator, 100 mL thiosulfate reagent, 50 mL calibrated vessel, 20 mL calibrated vessel, 3 mL plastic pipette, 1 mL plastic pipette and spoon.**HI 38023** test kit comes with 30 mL potassium iodide solution, sulfamic reagent (100 packets), 25 mL starch indicator, 100 mL thiosulfate reagent, 50 mL calibrated vessel, 1 mL syringe with tip, 1 mL plastic pipette and spoon.**HI 3888** test kit comes with color comparison cube, 20 mL Cl reagent 1, 15 mL Cl reagent 2, 15 mL Cl reagent 3 and 25 mL HI 3881-0 pH 6.0-8.5 reagent.**ACCESSORIES****HI 3831T** and **HI 3831T/S****HI 3881T-050** Spare reagent for 50 tests**HI 38016****HI 38016-100** Spare reagent for 100 tests**HI 38019****HI 38019-200** Spare reagent for 200 tests**HI 38022****HI 38022-100** Spare reagent for 100 tests**HI 38023****HI 38023-100** Spare reagent for 100 tests**HI 3888****HI 3831T-050** Spare reagent for 50 tests (total Cl)**HI 3881-100** Spare reagent for 100 tests (pH)**HI 3881-010** Spare reagent for 100 tests (pH) + dechlorinating reagent

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**HI 3831F and 3831T Chlorine****HI 38022 Total Chlorine**

The chlorination of water supplies and polluted waters is used mainly to destroy or deactivate disease-producing micro-organisms. It also serves to improve the quality of drinking waters, as chlorine reacts with ammonia, iron, manganese, sulfide and some organic substances.

Nevertheless, high amounts of **chlorine** will produce adverse effects, like formation of compounds which are potentially carcinogenic (e.g. chloroform) or harmful to aquatic life (e.g. chloramines). Thus it is essential to control that the proper amount of chlorine has been added in order to fulfill the primary purpose of disinfecting and to minimize any adverse effects.

CODE	METHOD	RANGE	SMALLEST INCREMENT	CHEMICAL METHOD	# TESTS	WEIGHT
Chlorine (as Cl₂) Total						
HI 3831T*	colorimetric	0.0-2.5 mg/L (ppm)	0.5 mg/L (ppm)	DPD	50	205 g
HI 38016	checker disc	0.0-3.5 mg/L (ppm)	0.1 mg/L (ppm)	DPD	100	977 g
HI 38019	checker disc	0.00-0.70 mg/L (ppm) 0.0-3.5 mg/L (ppm)	0.02 mg/L (ppm) 0.1 mg/L (ppm)	DPD	200	678 g
HI 38022	titration	0.0-4.0 mg/L (ppm) 0.0-20.0 mg/L (ppm)	0.2 mg/L (ppm) 1.0 mg/L (ppm)	iodometric	100	561 g
HI 38023	titration	10-200 mg/L (ppm)	10 mg/L (ppm)	iodometric	100	547 g
Chlorine (as Cl₂) Total & pH						
HI 3888	colorimetric	Cl ₂ : 0.0-2.5 mg/L (ppm) pH: 6.0-8.5 pH	Cl ₂ : 0.5 mg/L (ppm) pH: 0.5 pH	DPD pH indicator	50 100	310 g

*HI 3831T/S for Spain