HI 38017 Free & Total Chlorine

HI 3829F Free Chlorine Test Kit
With color cube

HI 3831F Free Chlorine Test Kit

HI 3875 Free Chlorine Test Kit
Medium Range with Checker Disc

HI 38018 Free Chlorine Test Kit
Low and Medium Range with Checker Disc

HI 3887 Free Chlorine and pH Test Kit
With Checker Disc

HI 38017 Free & Total Chlorine Test Kit
Low and Medium Range with Checker Disc

HI 38020 Free & Total Chlorine Test Kit
Low, Medium and High Range with Checker Disc

ORDERING INFORMATION

HI 3829F test kit comes with color comparison cube, 20 mL reagent 1 and 15 mL reagent 2

HI 3831F and **HI 3831F/S** test kit comes with color comparison cube, 20 mL reagent 1 and 15 mL reagent 2.
HI 3831T/S test kit comes with

HI 3875 test kit comes with HI 93701-0 free Cl reagent (100 packets), 500 mL deionized water, checker disc, glass vials with caps (2) and 3 mL plastic pipette.

HI 38018 test kit comes with HI 93701-0 free chlorine reagent (200 packets), demineralizer bottle with cap for 12 L, checker disc, glass vials with caps (2) and 3 mL plastic pipettes.

HI 3887 test kit comes with color comparison cubes (2), 20 mL reagent 1, 15 mL reagent 2, 25 mL HI 3881-0 pH 6.0-8.5 reagent

HI 39017 and HI 38020 test kits come with HI 93701-0 free chlorine reagent (100 packets), HI 93711-0 total chlorine reagent (100 packets), demineralizer bottle with filter cap for 12 L, checker disc, glass vials with caps (2) and 3 mL plastic pipettes

ACCESSORIES

HI 3829F
HI 3829F-050   Spare reagent for 50 tests
HI 3831F and HI 3831F/S
HI 3831F-050   Spare reagent for 50 tests
HI 3875
HI 3875-100   Spare reagent for 100 tests
HI 38018
HI 38018-200   Spare reagent for 200 tests
HI 93701-01   Spare reagent for 100 tests
HI 90701-03   Spare reagent for 300 tests
HI 740231   20 mL glass cylinders with caps
DEMI-10   Demineralizer bottle
HI 3887
HI 3831F-050   Spare reagent for 50 tests (Free Cl)
HI 3881-100   Spare reagent for 100 tests (pH)
HI 3881-010   Spare reagent for 100 tests (pH) + Reagent

HI 38017
HI38017-200   Spare reagent for 200 tests (100 tests Free Cl, 100 tests Total Cl)
HI 93701-01   Spare reagent for 100 tests - Free Cl
HI 93701-03   Spare reagent for 300 tests - Free Cl
HI 93711-01   Spare reagent for 100 tests - Total Cl
HI 93711-03   Spare reagent for 300 tests - Total Cl
HI 740231   20 mL glass cylinders with caps
DEMI-10   Demineralizer Bottle
HI 38020
HI 38020-200   Spare reagent for 200 tests (100 tests Free Cl + 100 tests Total Cl)

Free chlorine reacts with ammonium ions and organic compounds to form chlorine compounds resulting in diminished disinfecting capabilities compared with free chlorine. These chlorine compounds together with chloramines form combined chlorine. Combined chlorine and excess free chlorine together result in total chlorine. While free chlorine has a much higher disinfectant potential, combined chlorine has a much higher stability and has a lesser volatility. There should be sufficient levels of unreacted free chlorine for adequate disinfection, but not so much as to become harmful.

CODE	METHOD	RANGE	SMALLEST INCREMENT	CHEMICAL METHOD	# TESTS	WEIGHT
Chlorine (as Cl₂) Free						
HI 3829F	colorimetric	0.0-2.0 mg/L (ppm)	0.5 mg/L (ppm)	DPD	50 avg.	176 g
HI 3831F*	colorimetric	0.0-2.5 mg/L (ppm)	0.5 mg/L (ppm)	DPD	50 avg.	176 g
HI 3875	checker disc	0.0-3.5 mg/L (ppm)	0.1 mg/L (ppm)	DPD	100	984 g
HI 38018	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	647 g
Chlorine (as Cl₂) Free & pH						
HI 3887	colorimetric	Cl₂: 0.0-2.5 mg/L (ppm) pH: 6.0-8.5 pH	Cl₂: 0.5 mg/L (ppm) pH: 0.5 pH	DPD pH indicator	50 avg. 100	280 g
Chlorine (as Cl₂) Free & Total						
HI 38017	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	696 g
HI 38020	checker disc	0.00-0.70 mg/L (ppm) 0.0-3.5 mg/L (ppm) 0.0-10.0 mg/L (ppm)	0.02 mg/L (ppm) 0.1 mg/L (ppm) 0.5 mg/L (ppm)	DPD	200	688 g

*HI 3831F/S for Spain