

# CHLORINE (FREE)

## Determination of Free Chlorine 0 – 300+ppm

Notes	Health & Safety
Please read before proceeding with the test.	Refer to R & S phrases on individual bottles.
When performing the test hold the dropper bottles exactly upside down and allow drops to form slowly and fall off under their own weight.	Wear protective gloves and safety goggles when performing any tests using corrosive, harmful or irritant reagents.
Do not shake off drops as this will affect the accuracy of the test.	Do not ingest. Keep kit away from children.
The reagents in this kit are Non Regulated. However, FCL1 contains Hydrochloric Acid and could be irritating to eyes or skin with prolonged contact and the other reagents could cause staining. It is therefore advisable to wear hand and eye protection when using these reagents.	

Take sample according to expected range.	Add <b>6 drops of FCL1</b> In very high hardness areas add 10 drops.	Add drops of <b>FCL2 or FCL3</b>	Until colour changes to <b>blue / green</b>
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*Colours may vary depending on sample and test conditions.*

**Free Chlorine (mg/l) = Drops (FCL2 or FCL3) x Factor**

mg/l = ppm



Expected Range	Sample Size	Factor
<b>FCL2</b>		
1 – 4	40ml	0.25
2 – 8	20ml	0.5
5 – 15	10ml*	1
10 – 30	5ml*	2
<b>FCL3</b>		
15 – 40	40ml	2.5
25 – 80	20ml	5.0
50 – 150	10ml*	10
100 – 300+	5ml*	20

**\*Dilute samples of less than 20ml to 20ml with distilled or deionised water.**

### NOTE

Test should be carried out immediately on fresh samples. If adding chlorine in an intermittent dose, wait 10-15 mins after dosing before sampling and testing. This does not apply to systems using continual dosing equipment.

Replacements	Order Code
Complete Kit	CL2GT01
FCL3	RD1720
FCL2	RD1715
FCL1	RD1710