

Calcium Table

Note: If you took 1.5 ml of water in step 1 then multiply the calcium values by 2!

Reading in ml` s (step 6)	Calcium Concentration in ppm
0.00	500
0.02	490
0.04	480
0.06	470
0.08	460
0.10	450
0.12	440
0.14	430
0.16	420
0.18	410
0.20	400
0.22	390
0.24	380
0.26	370
0.28	360
0.30	350
0.32	340
0.34	330
0.36	320
0.38	310
0.40	300
0.42	290
0.44	280
0.46	270
0.48	260
0.50	250
0.52	240
0.54	230
0.56	220
0.58	210
0.60	200
0.62	190
0.64	180
0.66	170
0.68	160
0.70	150
0.72	140
0.74	130
0.76	120
0.78	110
0.80	100
0.82	90

0.84	80
0.86	70
0.88	60
0.90	50
0.92	40
0.94	30
0.96	20
0.98	10

Specifications

Instructions:

1. Add with 5 ml syringe 3 ml of water in the test vial. For a low resolution and more tests per kit add 1.5 ml instead of 3 ml.
2. Add 6 drops of Ca-1 to the water in the test vial. and swirl gently for 10 seconds. For low resolution 3 instead of 6 drops.
3. Add 1 spoon of Ca-2 (low resolution approx. 1/2 spoon) and swirl for 5 seconds.
4. Put the plastic tip firmly on the 1 ml syringe. And draw into the syringe the Ca-3 reagent (ensure that the end of the plastic tip is constantly submersed in the Ca-3 reagent) till the lower end of the black part of the piston is exactly at the 1.00 ml mark. There will be air present just below the piston. This is the air which was present between the end of the plastic tip and the piston. This will not influence the test result.
5. Add dropwise with the 1 ml syringe the Ca-3 reagent to the water in the test tube. Swirl after each drop a second or

Continue with this until color changes from pink-red to a clear blue color.

6. Hold the syringe with the tip facing upward and read the position of the , now the upper end, of the black part of the piston. The syringe has graduations of 0.01 ml. Read the Calcium value from the table or calculate as follows.

$$\text{ppm Ca} = (1 - \text{reading in step 6}) \times 500$$

If you have chosen for the lower resolution multiply the calculated result by 2.

Natural sea water contains 425 - 450 ppm calcium. Use salifert`s Coral Calcium for good results