

IODINE PROFI-TEST

For Marine Water Only.

(measures iodide, iodate and iodine)

Warning

Reagent I2-5 is inflammable. Keep away from fire and store in a cool place.

Keep out of reach of children. Not for consumption.

[1] Add with the syringe 4 ml of aquarium water in the small empty flask.

[2] Add to this 5 drops of I2-1 and swirl the contents of the flask for a few seconds.

[3] Add to this I2-2 dropwise. Swirl gently for a few seconds after each drop. Stop adding I2-2 when the water in the flask has a (faint) pink color. It does not matter how faint the color is. Look from above the test flask keeping a piece of white paper beneath it. Many aquarium waters will require one or two drops of I2-2.

Allow to stand for 30 seconds.

[4] Add to this I2-3 drop wise. Swirl the flask gently for a few seconds after each drop. Continue adding I2-3 until the pink color has vanished completely.

Add after the pink color has vanished 2 more drops of I2-3.

Swirl the flask gently for a few seconds.

Cap the flask and shake the flask for 30 - 40 seconds.

Proceed then within 30 seconds with the next step.

[5] Add to this 5 drops of I2-4 and with the plastic pipette 0.5 ml (= mark halfway the stem) of I2-5 .

Close the flasks immediately.

[6] Shake the test flask very strongly for 30 seconds.

Allow it to stand for one more minute. A small layer of liquid will appear on top of the water layer. The coloration of the uppermost liquid layer is a measure for the iodine content.

[7] Hold the test flask in front of you and keep the cap closed. Look **through the side** of the vial and compare the color of the upper liquid layer with that of the color chart. Hold a white piece (in between the 3 or 4 colors) of the color chart approx. 1 inch behind the test vial. The values on the color chart are in ppm iodide.

Natural sea water contains approx. 0.06 ppm iodine as iodide and iodate. Salifert's Iodine contains both of them in the correct ratio.