

Thermo Scientific Orion Residual Chlorine Calibration Refill Kit

The calibration refill kit, Cat. No. 177013, conforms to an EPA approved method for the measurement of total residual chlorine. The kit is intended for use with calibration equipment kit, Cat. No. 177015, which contains a 5 mL displacement pipette.

The Calibration Refill Kit Includes:

Standard A – 2 x 60 mL bottles
Standard B – 2 x 60 mL bottles
Iodide standard – 5 x 60 mL bottles
Acid standard – 5 x 60 mL bottles
Pipette tips - 50

Directions:

1. In a 1000 mL volumetric flask, pipette 5 mL of standard A, 5 mL of iodide standard and 5 mL of acid standard.

Note: Do not add any distilled water at this point or the reaction will not be complete.

2. Stopper the flask and swirl the solution for two minutes to allow a complete reaction to occur.
3. Dilute the solution to the mark with distilled water.
4. Ensure complete mixing of the solution by inverting the flask at least twenty times while shaking it.
5. Label the flask as 0.1 ppm Cl_2 .
6. To prepare the 1.0 ppm chlorine standard, repeat steps 1 through 4 and replace standard A with 5 mL of standard B in step 1. Label the flask as 1.0 ppm Cl_2 .

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