

ORP, Refilling, Storage and Cleaning Solutions

ORP Test and Pretreatment Solutions

Code	Description	Bottle
HI 7020L	ORP Test Solution at 200/275 mV (@20°C)	500 mL
HI 7020M	ORP Test Solution at 200/275 mV (@20°C)	230 mL
HI 7021L	ORP Test Solution at 240 mV (@20°C)	500 mL
HI 7021M	ORP Test Solution at 240 mV (@20°C)	230 mL
HI 7022L	ORP Test Solution at 470 mV (@20°C)	500 mL
HI 7022M	ORP Test Solution at 470 mV (@20°C)	230 mL
HI 7091L	Reducing Pretreatment Solution	500 mL
HI 7091M	Reducing Pretreatment Solution	230 mL
HI 7092L	Oxidizing Pretreatment Solution	500 mL
HI 7092M	Oxidizing Pretreatment Solution	230 mL

Electrode Refilling Solutions

Code	Description	Package
HI 7071	Electrolyte Solution, 3.5M KCl + AgCl	4 x 30 mL bottle
HI 7071L	Electrolyte Solution, 3.5M KCl + AgCl	500 mL bottle
HI 7072	Electrolyte Solution, 1M KNO ₃	4 x 30 mL bottle
HI 7072L	Electrolyte Solution, 1M KNO ₃	500 mL bottle
HI 7082	Electrolyte Solution, 3.5M KCl	4 x 30 mL bottle
HI 8071	Electrolyte Solution, 3.5M KCl + AgCl	4 x 30 mL FDA bottle
HI 8072	Electrolyte Solution, 1M KNO ₃	4 x 30 mL FDA bottle
HI 8082	Electrolyte Solution, 3.5M KCl	4 x 30 mL FDA bottle
HI 8093	Electrolyte Solution, 1M KCl + AgCl	4 x 30 mL FDA bottle

Electrode Storage Solution

Code	Description	Bottle
HI 70300L	Electrode Storage Solution	500 mL
HI 70300M	Electrode Storage Solution	230 mL
HI 80300L	Electrode Storage Solution	500 mL (FDA)
HI 80300M	Electrode Storage Solution	230 mL (FDA)

Sample Preparation Solutions

Code	Description	Bottle
HI 7051M	Soil Sample Preparation Solution	230 mL
HI 7051L	Soil Sample Preparation Solution	500 mL
HI 70960	Preparation Solution for Solid or Semi Solid Samples	30 mL

Cleaning Solutions for General Use

Code	Application	Package
HI 70000P	Rinsing	25 x 20 mL sachet
HI 7061L	General Purpose	500 mL bottle
HI 7061M	General Purpose	230 mL bottle
HI 7073L	Proteins	500 mL bottle
HI 7073M	Proteins	230 mL bottle
HI 7074L	Inorganic Substances	500 mL bottle
HI 7074M	Inorganic Substances	230 mL bottle
HI 7077L	Oil and Fats	500 mL bottle
HI 7077M	Oil and Fats	230 mL bottle
HI 8061L	General Purpose	500 mL FDA bottle
HI 8061M	General Purpose	230 mL FDA bottle
HI 8073L	Proteins	500 mL FDA bottle
HI 8073M	Proteins	230 mL FDA bottle
HI 8077L	Oil and Fats	500 mL FDA bottle
HI 8077M	Oil and Fats	230 mL FDA bottle

ORP Standard Solutions

ORP standard solutions allow you to test the precision of ORP electrodes.

For example, by immersing the electrode in **HI 7020** solution, you should read within the 200 to 275 mV range (@20°C/68°F).

If the reading is outside the indicated interval, clean and condition your ORP electrode in **HANNA** instruments® pretreatment solution.

Use **HI 7092** for oxidizing or **HI 7091** for reducing pretreatment.

Refill Electrolyte Solutions

The electrolyte level in refillable electrodes should be checked before performing any measurement.

If the level is low, refill with the proper electrolyte solution to ensure the correct electrode performance.

This simple maintenance helps guarantee the efficiency and precision of your refillable electrodes.

Electrolyte solutions are also available in FDA compliant bottles.

General and Specific Cleaning

Clean the liquid junction of your electrodes once a day or at least once a week to prevent clogging and to maintain accuracy. Immerse the electrode in the proper cleaning solution for about 5 minutes.

HANNA instruments® offers a wide range of cleaning solutions, for general purpose and specific applications (see tables on this and following pages), to eliminate all kind of dirt or deposit from the electrode, and thus ensure correct measurements.

The cleaning solutions are available in 20 mL sachets, or 230 and 500 mL bottles, both standard and FDA types.

Storage Solutions

To minimize clogging and ensure fast response time, keep always moist the glass bulb and the junction of your pH electrode.

Store the electrode with a few drops of **HI 70300** storage or pH 7 buffer solution in the protective cap.

