



Ionic Strength Adjusters (ISA)

HANNA Ionic Strength Adjusters (ISA) are formulated to provide a constant ionic strength in sample and standards alike, thus permitting concentration rather than activity measurements to be made. In some cases ISA's adjust pH and eliminate matrix effects.

CODE	DESCRIPTION	SIZE
HI 4000-00	ISA for halide ISE's	500 mL
HI 4001-00	alkaline ISA for ammonia and cyanide ISE's	500 mL
HI 4004-00	ISA for calcium ISE's	500 mL
HI 4005-00	ISA for carbon dioxide ISE's	500 mL
HI 4010-00	TISAB II for Fluoride ISE's	500 mL
HI 4010-05	TISAB II for Fluoride ISE's	1 gallon
HI 4010-06	TISAB III concentrate for Fluoride ISE's	500 mL
HI 4012-00	ISA for lead/sulfate ISE's	500 mL
HI 4013-00	ISA for nitrate ISE's	500 mL
HI 4013-06	nitrate interferent suppressant ISA	500 mL
HI 4014-00	ISA for potassium ISE's	500 mL
HI 4015-00	SAOB (sulfide antioxidant buffer)	500 mL + 18 g (2 components)
HI 4016-00	ISA for sodium ISE's	500 mL

Accessories

HANNA replacement parts and accessories keep your measurements fast and accurate.

CODE	DESCRIPTION
HI 4000-50	liquid membrane sensor handle
HI 4000-51	gas sensor replacement pH for ammonia sensor
HI 4000-52	gas sensor membrane cap for ammonia
HI 4000-54	gas sensor replacement pH for carbon dioxide ISE
HI 4000-70	halide polishing strips (24)
HI 4001-51	ammonia membrane kit (20 loose)
HI 4004-51	calcium module for HI 4004 half cell ISE
HI 4104-51	calcium module for HI 4104 combination ISE
HI 4005-53	carbon dioxide membrane kit (3 caps)
HI 4110-51	fluoride module for HI 4110 combination ISE
HI 4013-53	nitrate module for HI 4013 half cell ISE (3 pack)
HI 4113-53	nitrate module for HI 4113 combination ISE (3 pack)
HI 4014-51	potassium module for HI 4014 half cell ISE
HI 4114-51	potassium module for combination ISE
HI 740155P	capillary pipettes (20 pcs)
HI 740159	plastic tweezers

Silver-free Reference Fill Solutions

Recommended for our combination ISE electrodes and the HANNA HI 5315 reference electrode. Reference electrodes should be topped off daily with the correct filling solution for optimum measurement performance. These solutions are silver free to eliminate silver precipitates found with standard electrolytes.

CODE	DESCRIPTION	SIZE
HI 7072	electrolyte solution, 1 M KNO_3	30 mL bottles (4)
HI 7075	electrolyte solution with KNO_3 and KCl	30 mL bottles (4)
HI 7076	electrolyte solution, 1 M NaCl	30 mL bottles (4)
HI 7078	electrolyte solution, $(\text{NH}_4)_2\text{SO}_4$	30 mL bottles (4)
HI 7082	electrolyte solution, 3.5 M KCl	30 mL bottles (4)

Reference Fill Solutions containing AgCl

CODE	DESCRIPTION	SIZE
HI 7079	Electrolyte for sodium ISE's (contains AgCl)	30 mL bottles (4)