

Electrode	ISE Order Code	Ion	Mem-brane	Concn. Range (ppm)	pH Range	Temp. Range (°C)	Significant Interferences	Ref. Elec. Outer Chamber	RE Order Code	Calibration Standard Solution	ISAB	Add ISAB	Ion
<b>AMMONIUM</b>	ELIT 8051	NH4+	PVC	0.03 - 9,000	0 - 8.5	0 - 50	K+	D.J. 0.1M CH3COOLi	ELIT 003	NH4Cl	1M MgSO4	10% v/v	<b>NH4+</b>
<b>BARIUM</b>	ELIT 8081	Ba+2	PVC	0.5 – 13,700	3 - 10	0 - 50	Ca+2, K+, Mg+2, Na+, NH4+, Sr+2	S.J. AgCl	ELIT 001	BaCl2	NONE		<b>Ba+2</b>
<b>BROMIDE</b>	ELIT 8271	Br-	Crystal	0.4 - 80,000	1 - 12	0 - 80	Ag+, CN-, I-, S-2, Cl-	D.J. 0.1M KNO3	ELIT 002	KBr	5M NaNO3	2% v/v	<b>Br-</b>
<b>CADMIUM</b>	ELIT 8241	Cd+2	Crystal	0.1 - 11,000	3 - 7	0 - 80	Ag+, S-2, Cu+2, Fe+2, Fe+3, Hg+2, Pb+2	D.J. 0.1M KNO3	ELIT 002	Cd(NO3)2	5M NaNO3	2% v/v	<b>Cd+2</b>
<b>CALCIUM</b>	ELIT 8041	Ca+2	PVC	0.02 - 40,000	3.5 - 11	0 - 50	Al+3, Ba+2, Fe+2, Cu+2, Sr+2	S.J. AgCl	ELIT 001	CaCl2	4M KCl	2% v/v	<b>Ca+2</b>
<b>CHLORIDE</b>	ELIT 8261	Cl-	Crystal	1 - 35,000	1 - 12	0 - 80	Br-, CN-, I-, S-2, Ag+	D.J. 0.1M KNO3	ELIT 002	KCl	5M NaNO3	2% v/v	<b>Cl-</b>
<b>COPPER</b>	ELIT 8227	Cu+2	Crystal	0.006 - 64,000	2 - 7	0 - 80	Ag+, Br-, Cd+2, Cl-, Fe+2, Hg+2, S-	D.J. 0.1M KNO3	ELIT 002	CuSO4	5M NaNO3	2% v/v	<b>Cu+2</b>
<b>CYANIDE</b>	ELIT 8291	CN-	Crystal	0.03 - 260	11 - 13	0 - 80	I-, S-2, Ag+	D.J. 0.1M KNO3	ELIT 002	KCN	10M NaOH	2% v/v	<b>CN-</b>
<b>FLUORIDE</b>	ELIT 8221	F-	Crystal	0.06 - 2000	4 - 8	0 - 80	OH-	S.J. AgCl	ELIT 001	NaF	TISAB	1:1	<b>F-</b>
<b>IODIDE</b>	ELIT 8281	I-	Crystal	0.06 - 127,000	2 – 12	0 - 80	CN-, S-2, Ag+, S2O3-2	D.J. 0.1M KNO3	ELIT 002	KI	5M NaNO3	2% v/v	<b>I-</b>
<b>LEAD</b>	ELIT 8231	Pb+2	Crystal	0.2 - 20,800	3 - 7	0 - 80	Ag+, S-2, Cd+2, Cu+2, Fe+2, Fe+3, Hg+2	D.J. 0.1M KNO3	ELIT 002	Pb(NO3)2	5M NaNO3	2% v/v	<b>Pb+2</b>
<b>MERCURY</b>	ELIT 8251	Hg+2	Crystal	0.2 - 201,000	0 - 2	0 - 80	Ag+, S-2	D.J. 0.1M KNO3	ELIT 002	Hg(NO3)2	0.1M HNO3	1:1	<b>Hg+2</b>
<b>NITRATE</b>	ELIT 8021	NO3-	PVC	0.3 - 62,000	2 - 11	0 - 50	BF4-, Cl-, ClO4-, CN-, I-, NO2-, HCO3	D.J. 0.1M CH3COOLi	ELIT 003	NaNO3	2M (NH4)2SO4	2% v/v	<b>NO3-</b>
<b>NITRITE</b>	ELIT 8071	NO2-	PVC	0.5 – 460	4.5 - 8.0	0 - 50	CN-, CH3COO-, F-, Cl-, NO3-, SO4--	S.J. AgCl	ELIT 001	NaNO2	BS1 or BS2	1:1	<b>NO2-</b>
<b>PER-CHLORATE</b>	ELIT 8061	ClO4-	PVC	0.2 - 99,600	0 - 11	0 - 50	Cl-, I-, NO3-, SCN-	S.J. AgCl	ELIT 001	NaClO4	1M CH3COONa	2% v/v	<b>ClO4-</b>
<b>POTASSIUM</b>	ELIT 8031	K+	PVC	0.4 - 39,000	1 - 9	0 - 50	Cs+, NH4+	D.J. 0.1M CH3COOLi	ELIT 003	KCl	2.5M NaCl	2% v/v	<b>K+</b>
<b>SILVER</b>	ELIT 8211	Ag+	Crystal	0.01 – 107,900	1 - 9	0 - 80	Hg+2, S-2	D.J. 0.1M KNO3	ELIT 002	AgNO3	5M NaNO3	2% v/v	<b>Ag+</b>
<b>SODIUM</b>	ELIT 8230	Na+	PVC	0.05 - 20,000	3 - 10	0 - 50	Most cations	S.J. AgCl	ELIT 001	NaCl	NONE		<b>Na+</b>
<b>SULPHIDE</b>	ELIT 8225	S-2	Crystal	0.003 - 32,000	13 - 14	0 - 80	Ag+, Hg+2	D.J. 0.1M KNO3	ELIT 002	Na2S	10M NaOH or SAOB	2% v/v	<b>S-2</b>
<b>THIO-CYANATE</b>	ELIT 8229	SCN-	Crystal	1 - 5,800	2 - 12	0 - 80	Br-, Cl-, I-, Ag+, S-2, S2O3-2	D.J. 0.1M KNO3	ELIT 002	KSCN	5M NaNO3	2% v/v	<b>SCN-</b>

Specifications for all ELIT Ion Selective Electrodes Nico2000 Ltd, London UK. ([www.nico2000.net](http://www.nico2000.net)) Last Update 11/03/2009