

Continued from previous page

Description	Pk	Cat. No.
<b>ISA solutions</b>		
ISA solution for Cl <sup>-</sup> and I <sup>-</sup>	475 ml	662-1292
ISA solution for K <sup>+</sup>	475 ml	662-1293
ISA solution for F <sup>-</sup>	3.790 ml	662-1294
<b>Membranes</b>		
Membrane module for perfectION™ K <sup>+</sup>	1	662-1295
Electrolyte KCl 3 mol/l	500 ml	83605.260

Other electrodes available on request. For further information please contact your local VWR office.  
 ISA solution for Na<sup>+</sup>: NH<sub>4</sub>Cl / NH<sub>4</sub>OH

## Combined ion selective electrodes



With BNC connector, 1 m cable

Rugged solid-state electrodes with built-in reference elements that do not require any filling solution or maintenance. Ideal for unskilled operatives.

- Fully submersible and waterproof
- Virtually unbreakable
- Colour coded caps for identification in the field
- Can be left dry for long periods
- Long lifetime

Description	Concentration	pH	Temp. (°C)	Connection	Pk	Cat. No.
Sodium (Na <sup>+</sup> )	3 - 10 <sup>-7</sup>	1 - 9	0...+50	BNC	1	662-1179
Ammonia (NH <sub>3</sub> )	1 - 10 <sup>-6</sup>	11 - 13	0...+50	BNC	1	662-1180
Nitrate (NO <sub>3</sub> <sup>-</sup> )	1 - 7×10 <sup>-6</sup>	2 - 11	0...+50	BNC	1	662-1181
Calcium (Ca <sub>2+</sub> )	10 <sup>-1</sup> - 5×10 <sup>-7</sup>	3,5 - 11	0...+50	BNC	1	662-1182
Ammonium (NH <sub>4</sub> <sup>+</sup> )	0,5 - 5×10 <sup>-5</sup>	0 - 8,5	0...+50	BNC	1	662-1183
Chloride (Cl <sup>-</sup> )	1 - 3×10 <sup>-6</sup>	1 - 12	+5...+50	BNC	1	662-1184
Fluoride (F <sup>-</sup> )	10 <sup>-1</sup> - 10 <sup>-6</sup>	4 - 8	+5...+50	BNC	1	662-1185
Potassium (K <sup>+</sup> )	1 - 10 <sup>-6</sup>	1 - 9	0...+50	BNC	1	662-1186
Perchlorate (ClO <sub>4</sub> <sup>-</sup> )	1 - 2×10 <sup>-6</sup>	0 - 11	0...+50	BNC	1	662-1187
Barium (Ba <sub>2+</sub> )	10 <sup>-1</sup> - 10 <sup>-5</sup>	3 - 10	0...+50	BNC	1	662-1188
Water hardness	2×10 <sup>-1</sup> - 5×10 <sup>-5</sup>	4,5 - 10	0...+50	BNC	1	662-1189
Silver (Ag <sup>+</sup> )	1 - 10 <sup>-7</sup>	1 - 9	+5...+50	BNC	1	662-1190
Lead (Pb <sub>2+</sub> )	10 <sup>-1</sup> - 10 <sup>-6</sup>	3 - 7	+5...+50	BNC	1	662-1191
Cadmium (Cd <sub>2+</sub> )	10 <sup>-1</sup> - 10 <sup>-6</sup>	3 - 7	+5...+50	BNC	1	662-1192
Bromide (Br <sup>-</sup> )	1 - 5×10 <sup>-6</sup>	1 - 12	+5...+50	BNC	1	662-1193
Iodide (I <sup>-</sup> )	1 - 5×10 <sup>-7</sup>	2 - 12	+5...+50	BNC	1	662-1194
Cyanide (CN <sup>-</sup> )	10 <sup>-2</sup> - 10 <sup>-6</sup>	11 - 13	+5...+50	BNC	1	662-1195
Sulphide (S <sup>2-</sup> )	1 - 10 <sup>-7</sup>	13 - 14	+5...+50	BNC	1	662-1196
Copper (Cu <sub>2+</sub> )	1 - 10 <sup>-7</sup>	2 - 7	+5...+50	BNC	1	662-1197
Thiocyanate (SCN <sup>-</sup> )	10 <sup>-1</sup> - 2×10 <sup>-6</sup>	2 - 12	+5...+50	BNC	1	662-1198

## Combined ion selective electrodes, Orion Thermo Scientific



Orion ion selective electrodes (ISE) allow ions in aqueous solutions to be measured quickly, accurately, and economically.

- With their unique redox internal system, the ISE electrodes provide faster responses, greater stability and accuracy compared to conventional ISE electrodes

BN: Electrodes with BNC-connection cable (Length: 1 m)

WP: Secure and waterproof connection

Description	Concentration	Temp. (°C)	Connection	Pk	Cat. No.
<b>Combination electrodes</b>					
Sodium ROSS® half-cell, 8411BN	Saturated to 10 <sup>-6</sup> M	0...+80	BNC waterproof	1	662-0747
Sodium ROSS® combination, 8611BNWP	Saturated to 10 <sup>-6</sup> M	0...+80	BNC waterproof	1	662-1523
Ammonia, gas-sensing, 9512BNWP	1,0 M - 5×10 <sup>-7</sup> M	0...+50	BNC waterproof	1	662-1592

Continued on next page