

# CHLORIDE PROBE & SUPPLIES

## **THERMO SCIENTIFIC ORION CHLORIDE IONPLUS COMBINATION PROBE**

No separate reference probe required. As of publication date, the Chloride probe is approved for drinking water, but not for wastewater; however, it may still be used for plant control. Includes probe and one 60 ml bottle of filling solution. BNC connector.

**O-9617BN 759.60/ea**

### **FILLING SOLUTION FOR O-9617BN ONLY**

**O-900062 21.40/ea 99.00 pk of 5 x 60 ml**

### **FILLING SOLUTION FOR O-900200 WHEN USED WITH O-9417BN CHLORIDE PROBE ONLY**

Description	NCL #	Price/ea	Price/pk of 5
Inner fill sol'n, 60 ml bottle	<b>O-900002</b>	<b>19.75</b>	<b>90.00</b>
Outer fill sol'n, 60 ml bottle	<b>O-900003</b>	<b>19.75</b>	<b>90.00</b>

### **ISA BUFFER FOR USE WITH CHLORIDE PROBES**

Decide which of the two Chloride ISA buffers are appropriate for your sample:

- \* Chloride Complexation Buffer (Chloride CISA) will compensate for Ammonia (up to 100 ppm), Sulfide, Bromide, Iodide, and Cyanide. The CISA buffer system consists of 2 pint bottles of 1 M Nitric Acid, and two 15 gram bottles of Sodium Bromate, which the user mixes together.
- \* Chloride ISA buffer is for use with pure water samples (such as drinking water or purified water) where the above stated interferences are not present. It is 5 M Sodium Nitrate, and is used to increase the ionic strength of the samples, in order to give a more stable end-point.

Considering the above, the best choice for wastewater analysis is the CISA buffer system. Drinking water could use the ISA buffer.

Buffer Type	Manufactured by	NCL #	Price
Chloride CISA system	Thermo Scientific Orion	<b>O-941709</b>	<b>276.45/ea HM</b>
Chloride CISA (PART A)	NCL	<b>N-40C</b>	<b>29.30/pint HM</b>
Chloride CISA (PART B)	NCL	<b>S-32X</b>	<b>36.70/15 g HM</b>
Chloride ISA buffer	Thermo Scientific Orion	<b>O-940011</b>	<b>87.40/475 ml HM</b>
Chloride ISA buffer	NCL	<b>C-8F</b>	<b>42.00/500 ml HM</b>

**Note: Both NCL reagents (PART A and PART B) are required to make the Chloride CISA buffer system equivalent to the Thermo Scientific Orion O-941709.**

### **CHLORIDE STANDARDS**

Please see the chemical section in this catalog for Chloride standards in other sizes.

Concentration	Manufactured by	NCL #	Price
10,000 ppm as Cl	NCL	<b>C-8E</b>	<b>13.75/500 ml</b>
1000 ppm as Cl	Thermo Scientific Orion	<b>O-941708</b>	<b>73.00/475 ml</b>
1000 ppm as Cl	NCL	<b>C-8D</b>	<b>13.75/500 ml</b>
100 ppm as Cl	Thermo Scientific Orion	<b>O-941707</b>	<b>73.00/475 ml</b>
100 ppm as Cl	NCL	<b>C-8C</b>	<b>13.75/500 ml</b>