

# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
<b>ACETATE BUFFER SOLUTION, pH 4.0</b> HM (APHA for Chlorine)	<b>A-5</b>	500 ml liter 3.8 liter 20 liter	<b>18.70</b> <b>28.10</b> <b>84.25</b> <b>275.60</b>
<b>ACETIC ACID, 30% (v/v)</b> HM	<b>A-10B</b>	500 ml	<b>19.60</b>
<b>ACETIC ACID, 50% (v/v)</b> HM (1:1 volumetric solution)	<b>A-10C</b>	3.8 liter	<b>54.00</b>
<b>ACETIC ACID, GLACIAL 99%, ACS, conc.</b> HM CH <sub>3</sub> COOH (Approx. 17.5 N)	<b>A-10</b>	500 ml 6 x 500 ml 2.5 liter 6 x 2.5 liter	<b>34.50</b> <b>187.60</b> <b>77.00</b> <b>251.20</b>
<b>ACETONE, ACS</b> HM	<b>A-12M</b>	pint quart 4 liter	<b>26.75</b> <b>40.15</b> <b>100.35</b>
<b>ACETONE, HPLC</b> HM	<b>A-12P</b>	quart 4 liter	<b>40.15</b> <b>100.35</b>
<b>ACID REAGENT</b> HM (For use with Chlorine ISE)	<b>A-13</b>	500 ml liter	<b>22.90</b> <b>34.30</b>
<b>ACID-ZIRCONYL-SPADNS REAGENT</b> HM (APHA for Fluoride)	<b>S-78</b>	pint quart	<b>20.00</b> <b>35.00</b>
<b>ALKALINE-IODIDE AZIDE REAGENT</b> HM (APHA for DO)	<b>A-15</b>	500 ml liter	<b>28.00</b> <b>48.00</b>
<b>ALUMINUM CHLORIDE SOLUTION</b> HM (APHA for Sulfide)	<b>A-15C</b>	500 ml	<b>39.50</b>
<b>P-ALKALINITY STANDARD</b> (100 ppm as CaCO <sub>3</sub> )	<b>A-15P</b>	500 ml liter	<b>17.15</b> <b>25.70</b>
<b>ALUMINUM BLUE 2LW, 20 g/l,</b> <b>pH=5.0±0.5</b> (ASTM B 136-77)	<b>A-15X</b>	500 ml liter	<b>28.30</b> <b>47.40</b>
<b>ALUMINUM SULFATE OCTADECYDRATE, ACS</b> Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> •18H <sub>2</sub> O	<b>A-8</b>	100 g 500 g	<b>54.40</b> <b>163.20</b>

# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
<b>AMMONIUM ACETATE BUFFER SOLUTION</b> HM (APHA for Iron)	<b>A-16</b>	liter	<b>51.50</b>
<b>AMMONIUM BIFLUORIDE</b> HM (NH <sub>4</sub> )HF <sub>2</sub>	<b>A-16A</b>	500 g	<b>65.50</b>
<b>AMMONIUM CHLORIDE, 0.05 M</b>	<b>A-17C</b>	500 ml liter	<b>16.65</b> <b>24.95</b>
<b>AMMONIUM CHLORIDE, 0.1 M</b>	<b>A-17B</b>	500 ml liter	<b>16.65</b> <b>24.95</b>
<b>AMMONIUM CHLORIDE, ACS</b> NH <sub>4</sub> Cl	<b>A-17</b>	100 g 500 g	<b>15.60</b> <b>37.45</b>
<b>AMMONIUM CHLORIDE-EDTA BUFFER</b> (APHA for Nitrates - For Cadmium reduction Method)	<b>A-17F</b>	liter 3.8 liter	<b>15.60</b> <b>46.80</b>
<b>AMMONIUM HYDROXIDE, 3% as NH<sub>4</sub>OH</b> Volumetric solution HM (For cleaning silver anodes on YSI DO probes)	<b>A-26</b>	pint quart	<b>17.15</b> <b>25.70</b>
<b>AMMONIUM HYDROXIDE, 1:1 Volumetric solution</b> HM (For cleaning silver anodes on YSI DO probes) (Approx. 15% as NH <sub>3</sub> )	<b>A-25</b>	pint quart	<b>20.60</b> <b>30.90</b>
<b>AMMONIUM HYDROXIDE, 25% (v/v)</b> HM	<b>A-27</b>	3.8 liter	<b>38.00</b>
<b>AMMONIUM HYDROXIDE, ACS, conc.</b> HM (Approx. 29% as NH <sub>3</sub> , 60% as NH <sub>4</sub> OH, 14.5 N)	<b>A-20</b>	500 ml 6 x 500 ml 2.5 liter 6 x 2.5 liter	<b>24.45</b> <b>96.70</b> <b>51.43</b> <b>205.60</b>





## CHEMICALS & REAGENTS

### Ammonia Standards, Buffers, & Storage Solutions

Reagent	NCL#	Size	Price
<b>AMMONIA ISA BUFFER</b> HM (For use with Ammonia ISE)	<b>A-15Y</b>	500 ml liter	<b>34.00</b> <b>50.00</b>
<b>AMMONIA pH ADJUSTMENT BUFFER</b> HM (For use with High Performance Ammonia ISE Probe)	<b>A-41</b>	500 ml liter	<b>26.00</b> <b>39.00</b>
<b>AMMONIA PROBE pH INDICATOR</b> HM (For use with A-41)	<b>A-15Z</b>	250 ml 500 ml	<b>48.00</b> <b>72.00</b>
<b>AMMONIA STANDARD, 0.2 ppm as N</b>	<b>A-37J</b>	500 ml liter	<b>12.50</b> <b>18.70</b>
<b>AMMONIA STANDARD, 1.0 ppm as N</b>	<b>A-37C</b>	500 ml liter	<b>12.50</b> <b>18.70</b>
<b>AMMONIA STANDARD, 2.0 ppm as N</b>	<b>A-37G</b>	500 ml liter	<b>12.50</b> <b>18.70</b>
<b>AMMONIA STANDARD, 3.0 ppm as N</b>	<b>A-37M</b>	500 ml liter	<b>12.50</b> <b>18.70</b>
<b>AMMONIA STANDARD, 5.0 ppm as N</b>	<b>A-37F</b>	500 ml liter	<b>12.50</b> <b>18.70</b>
<b>AMMONIA STANDARD, 10.0 ppm as N</b>	<b>A-37B</b>	500 ml liter	<b>12.50</b> <b>18.70</b>
<b>AMMONIA STANDARD, 20.0 ppm as N</b>	<b>A-37H</b>	500 ml liter	<b>12.50</b> <b>18.70</b>
<b>AMMONIA STANDARD, 30.0 ppm as N</b>	<b>A-37K</b>	500 ml liter	<b>12.50</b> <b>18.70</b>
<b>AMMONIA STANDARD, 50.0 ppm as N</b>	<b>A-37L</b>	500 ml liter	<b>12.50</b> <b>18.70</b>
<b>AMMONIA STANDARD, 100 ppm as N</b>	<b>A-37A</b>	500 ml liter	<b>15.60</b> <b>23.40</b>
<b>AMMONIA STANDARD, 1000 ppm as N</b>	<b>A-37</b>	500 ml liter	<b>17.50</b> <b>26.00</b>
<b>AMMONIA CALIBRATION 6-pack</b> Two 500 ml bottles each of the following Ammonia Standards: 0.2 ppm, 2.0 ppm, and 20.0 ppm. (No substitutions, please)	<b>NH3-SET</b>	6 x 500 ml	<b>70.20</b>
<b>AMMONIUM CHLORIDE, 0.05 M</b>	<b>A-17C</b>	500 ml liter	<b>16.65</b> <b>24.95</b>
<b>AMMONIUM CHLORIDE, 0.1 M</b>	<b>A-17B</b>	500 ml liter	<b>16.65</b> <b>24.95</b>



# CHEMICALS & REAGENTS

## Ammonia Standards, Buffers, & Storage Solutions

Reagent	NCL#	Size	Price
<b>Thermo Scientific Orion AMMONIA ISA BUFFER HM</b> (For use with Ammonia ISE)	<b>O-951211</b>	475 ml	<b>77.40</b>
<b>Thermo Scientific Orion AMMONIA STANDARD, 100 ppm as N</b>	<b>O-951207</b>	475 ml	<b>52.20</b>
<b>Thermo Scientific Orion AMMONIA STANDARD, 1000 ppm as N</b>	<b>O-951007</b>	475 ml	<b>61.20</b>
<b>Thermo Scientific Orion AMMONIUM CHLORIDE, 0.1 M</b>	<b>O-951006</b>	475 ml	<b>61.20</b>
<b>Thermo Scientific Orion CLASSIC AMMONIA ELECTRODE FILLING SOLUTION</b>	<b>O-951202</b>	50 ml	<b>57.60</b>
<b>Thermo Scientific Orion HIGH PERFORMANCE AMMONIA ELECTRODE FILLING SOLUTION</b>	<b>O-951209</b>	50 ml	<b>57.60</b>
<b>Thermo Scientific Orion HIGH PERFORMANCE AMMONIA ELECTRODE STORAGE SOLUTION</b>	<b>O-951213</b>	475 ml	<b>53.10</b>

NOTE: For dilute aqueous solutions, such as ammonia standards, milligrams per liter (mg/l) and parts per million (ppm) are equivalent.



# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
<b>AMMONIUM MOLYBDATE (4-Hydrate)</b> (NH <sub>4</sub> ) <sub>6</sub> Mo <sub>7</sub> O <sub>24</sub> •4H <sub>2</sub> O, (ACS crystals)	<b>A-39</b>	100 g 500 g	<b>63.40</b> <b>190.20</b>
<b>AMMONIUM MOLYBDATE, 4%, PHOS-FREE</b> (APHA for Phosphate)	<b>A-40PF</b>	liter	<b>44.70</b>
<b>AMMONIUM MOLYBDATE, 4%</b> (APHA for Phosphate)	<b>A-40</b>	500 ml liter	<b>24.00</b> <b>36.00</b>
<b>AMMONIUM OXALATE, 4%, (w/v), Aqueous</b>	<b>A-46B</b>	3.8 liter	<b>168.00</b>
<b>AMMONIUM OXALATE, MONOHYDRATE, ACS</b> (NH <sub>4</sub> ) <sub>2</sub> C <sub>2</sub> O <sub>4</sub> •H <sub>2</sub> O	<b>A-46</b>	500 g	<b>190.20</b>
<b>AMMONIUM PERSULFATE, ACS</b> <b>HM</b> (NH <sub>4</sub> ) <sub>2</sub> S <sub>2</sub> O <sub>8</sub>	<b>A-48</b>	100 g 500 g	<b>12.50</b> <b>37.45</b>
<b>AMMONIUM SULFATE, 2.0 M</b> (Substitute for Orion Nitrate ISA buffer)	<b>A-49A</b>	500 ml	<b>37.45</b>
<b>AMMONIUM SULFATE, ACS</b> (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	<b>A-47</b>	100 g 500 g	<b>19.55</b> <b>58.65</b>
<b>ANTIMONY POTASSIUM TARTRATE,</b> and solutions	Please see <b>P-46A</b> and <b>P-46B</b> in this section.		
<b>ASCORBIC ACID, ACS (Powder)</b>	<b>A-60</b>	100 g 500 g	<b>26.50</b> <b>79.55</b>
<b>ASCORBIC ACID, ACS (Crystals)</b>	<b>A-60A</b>	100 g	<b>34.30</b>
<b>BARIUM CHLORIDE SOLUTION, 10% (w/v)</b> <b>HM</b>	<b>B-5</b>	liter 3.8 liter	<b>23.40</b> <b>70.20</b>
<b>BARIUM CHLORIDE DIHYDRATE, ACS</b> <b>HM</b> BaCl <sub>2</sub> •2H <sub>2</sub> O	<b>B-11X</b>	500 g	<b>40.55</b>

# BOD STANDARD, SEED, & NITRIFICATION INHIBITOR

## BOD STANDARD, 198 ppm (GLUCOSE-GLUTAMIC ACID STANDARD)

Made according to Standard Methods specifications, autoclaved and vacuum-sealed in 50 ml vials, offering many advantages over ampules. Each vial contains enough standard for 8 tests.

- ✓ No ampules to break. Just unscrew the cap.
- ✓ No multiple dilutions required. Use 6 ml per 300 ml BOD bottle.
- ✓ Minimizes waste. Use what you need, refrigerate the remainder for future use.
- ✓ Shelf-life is 12 months for unopened bottles and 2 months for opened bottles, as long as no contamination has occurred.
- ✓ Lower cost... less than \$0.60 per test.



Size	NCL #	Price/ea
50 ml	B-12D	4.50
12 x 50 ml		45.00



## BOD SEED CAPSULES

Get more uniform results with standards by using BOD seed capsules. Each seed capsule produces 500 ml of seed water. Directions included with each bottle. This product has been tested extensively, and we feel it is far superior to other products available.



Size	NCL#	Price/ea
10 capsules	B-120	22.05
50 capsules	B-600	92.50

## NITRIFICATION INHIBITOR DISPENSER

One squeeze of the handle and an exact amount of inhibitor is dispensed into the BOD bottle. As compared to the rubberband dispenser cap, this unit is:

- More durable
- More ergonomic
- More accurate
- A lot more for your money

Description	NCL #	Price/ea
Dispenser w/40 g vial of nitrification inhibitor (N-50)	DO-250	39.00
40 g vial of N-50	DO-251	19.50



## NITRIFICATION INHIBITOR BOTTLE

For CBOD tests. This product inhibits nitrification in BOD samples giving a CBOD value. The 35 gram size comes in a dispenser bottle. Refill sizes are available in 100 and 500 gram sizes.

Size	NCL #	Price/ea
35 g	N-50	35.50
100 g		43.70
500 g		140.00



# CHEMICALS & REAGENTS



## BOD NUTRIENTS SET

We are now offering the C-5, F-10, M-10, and P-30 in a convenient 4 x 500 ml set. The set includes one 500 ml bottle of the following:

- C-5** (Calcium Chloride 27.5 g/l)
- F-10** (Ferric Chloride 0.25 g/l)
- M-10** (Magnesium Sulfate 22.5 g/l)
- P-30** (Phosphate Buffer Solution)

**B-99 35.00/set**

# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
<b>BORATE BUFFER SOLUTION</b> (APHA for Ammonia Nitrogen)	<b>B-13</b>	500 ml	<b>12.50</b>
		liter	<b>18.70</b>
		3.8 liter	<b>56.15</b>
<b>BORIC ACID SOLUTION, 2% (w/v)</b>	<b>B-13C</b>	3.8 liter	<b>19.75</b>
<b>BORIC ACID SOLUTION, 2%, INDICATING</b> (with Bromcresol Green-Methyl Red Indicator)	<b>B-13D</b>	3.8 liter 20 liter	<b>25.00</b> <b>75.00</b>
<b>BORIC ACID SOLUTION, 4% INDICATING</b> (with Bromcresol Green-Methyl Red Indicator)	<b>B-13A</b>	3.8 liter 20 liter	<b>34.30</b> <b>102.95</b>
<b>BORIC ACID CRYSTALS, ACS</b> H <sub>3</sub> BO <sub>3</sub>	<b>B-13B</b>	100 g	<b>19.25</b>
		500 g	<b>57.70</b>
		2.5 kg	<b>172.10</b>
<b>BROMCRESOL GREEN INDICATOR SOLUTION</b> 0.04% Aqueous	<b>B-14</b>	500 ml liter	<b>14.55</b> <b>21.85</b>
<b>BROMCRESOL GREEN INDICATOR SOLUTION</b> 0.1% Aqueous	<b>B-14A</b>	500 ml liter	<b>24.95</b> <b>37.45</b>
<b>BROMCRESOL GREEN-METHYL RED INDICATOR SOLUTION</b> HM (APHA for Alkalinity)	<b>B-15</b>	500 ml liter	<b>24.95</b> <b>37.45</b>
<b>BROMCRESOL PURPLE INDICATOR SOLUTION</b> 0.04% Aqueous	<b>B-18</b>	500 ml liter	<b>14.55</b> <b>21.85</b>
<b>BROMPHENOL BLUE INDICATOR SOLUTION</b> 0.04% Aqueous	<b>B-20</b>	500 ml liter	<b>14.55</b> <b>21.85</b>
<b>BROMTHYMOL BLUE INDICATOR SOLUTION</b> 0.02% Aqueous	<b>B-23</b>	500 ml liter	<b>14.55</b> <b>21.85</b>
<b>BROMTHYMOL BLUE INDICATOR SOLUTION</b> 0.04% Aqueous	<b>B-22</b>	500 ml liter	<b>14.55</b> <b>21.85</b>



# BROTH

## Fecal Coliform Broth

<b>M-FC BROTH without ROSOLIC ACID (Blue background)</b>				
<b>Manufacturer</b>	<b>Ampule Type</b>	<b>Pack Quantity</b>	<b>NCL #</b>	<b>Price/pk</b>
(generic)	Plastic	50/pk	<b>NCL-880</b>	<b>56.70</b>
Hach	Wide-Mouth Glass	20/pk	<b>H-23732-20</b>	<b>21.00</b>
Hach	Plastic	50/pk	<b>H-23732-50</b>	<b>63.00</b>

<b>M-FC BROTH with ROSOLIC ACID (Red/pink background)</b>				
<b>Manufacturer</b>	<b>Ampule Type</b>	<b>Pack Quantity</b>	<b>NCL #</b>	<b>Price/pk</b>
(generic)	Plastic	50/pk	<b>NCL-882</b>	<b>56.70</b>
Hach	Wide-Mouth Glass	20/pk	<b>H-24285-20</b>	<b>22.80</b>
Hach	Plastic	50/pk	<b>H-24285-50</b>	<b>63.00</b>
Millipore	Plastic	50/pk	<b>BM-100</b>	<b>64.60</b>

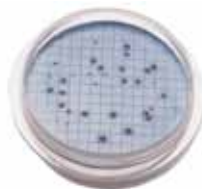
## Total Coliform Broth

<b>MF-ENDO BROTH</b>				
<b>Manufacturer</b>	<b>Ampule Type</b>	<b>Pack Quantity</b>	<b>NCL #</b>	<b>Price/pk</b>
(generic)	Plastic	50/pk	<b>NCL-890</b>	<b>56.70</b>
Hach	Wide-Mouth Glass	20/pk	<b>H-23735-20</b>	<b>21.00</b>
Hach	Plastic	50/pk	<b>H-23735-50</b>	<b>63.00</b>

<b>TOTAL Coliform with Confirmatory for E.COLI (m-ColiBlue24®)*</b>				
<b>Manufacturer</b>	<b>Ampule Type</b>	<b>Pack Quantity</b>	<b>NCL #</b>	<b>Price/pk</b>
Hach	Wide-Mouth Glass	20/pk	<b>H-26084-20</b>	<b>37.90</b>
Hach	Plastic	50/pk	<b>H-26084-50</b>	<b>97.40</b>

\*Hach recommends FG-700 pads when using the two above products

m-ColiBlue24® Broth simultaneously detects total coliforms and E. coli in just 24 hours.



E. coli have dark ring around colony.

# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
<b>BUFFER SOLUTION, pH=2.00±0.02</b> (pH standardization buffer)	<b>B-42</b>	500 ml liter 3.8 liter	<b>12.45</b> <b>18.70</b> <b>46.80</b>
<b>BUFFER SOLUTION, pH=4.00±0.02</b> (pH standardization buffer) Color coded red	<b>B-44</b>	500 ml 6 x 500 ml liter 6 x 1 liter 3.8 liter 20 liter	<b>8.30</b> <b>37.45</b> <b>12.50</b> <b>56.15</b> <b>29.10</b> <b>99.85</b>
<b>BUFFER SOLUTION, COLORLESS, pH=4.00</b> (pH=4.00±0.02 - Colorless pH standardization buffer)	<b>B-44CL</b>	500 ml liter 3.8 liter 20 liter	<b>9.15</b> <b>13.75</b> <b>32.00</b> <b>109.80</b>
<b>pH 4.00 Buffer with 0.1 M NaCl</b> (For inner-body check on Orion Ammonia probe)	<b>B-44A</b>	500 ml	<b>24.95</b>
<b>BUFFER SOLUTION, pH=5.00±0.02</b> (pH standardization buffer)	<b>B-45</b>	500 ml liter 3.8 liter	<b>12.50</b> <b>18.70</b> <b>46.80</b>
<b>BUFFER SOLUTION, pH=6.00±0.02</b> (pH standardization buffer)	<b>B-46</b>	500 ml liter 3.8 liter 20 liter	<b>12.50</b> <b>18.70</b> <b>46.80</b> <b>140.40</b>
<b>BUFFER SOLUTION, pH=6.87±0.02</b> (pH standardization buffer) Color coded green	<b>B-46D</b>	3.8 liter	<b>46.80</b>
<b>BUFFER SOLUTION, pH=7.00±0.02</b> (pH standardization buffer) Color coded yellow	<b>B-47</b>	500 ml 6 x 500 ml liter 6 x 1 liter 3.8 liter 20 liter	<b>8.30</b> <b>37.45</b> <b>12.50</b> <b>56.15</b> <b>29.10</b> <b>99.85</b>
<b>BUFFER SOLUTION, COLORLESS, pH=7.00</b> (pH=7.00±0.02 - Colorless pH standardization buffer)	<b>B-47CL</b>	500 ml liter 3.8 liter 20 liter	<b>9.15</b> <b>13.75</b> <b>32.00</b> <b>109.80</b>



# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
<b>pH 7.00 Buffer with 0.1 M NaCl</b> (For inner-body check on Orion Ammonia probe)	<b>B-47A</b>	500 ml	<b>24.95</b>
<b>BUFFER SOLUTION, pH=8.00±0.02</b> (pH standardization buffer)	<b>B-48</b>	500 ml	<b>12.50</b>
		liter	<b>18.70</b>
		3.8 liter	<b>46.80</b>
		20 liter	<b>140.40</b>
<b>BUFFER SOLUTION, pH=9.00±0.02</b> (pH standardization buffer)	<b>B-49</b>	500 ml	<b>12.50</b>
		liter	<b>18.70</b>
		3.8 liter	<b>46.80</b>
<b>BUFFER SOLUTION, pH=10.00±0.02</b> (pH standardization buffer) Color coded blue	<b>B-50</b>	500 ml	<b>8.30</b>
		6 x 500 ml	<b>37.45</b>
		liter	<b>12.50</b>
		6 x 1 liter	<b>56.15</b>
		3.8 liter	<b>29.10</b>
		20 liter	<b>99.85</b>
<b>BUFFER SOLUTION, COLORLESS, pH=10.00</b> (pH=10.00±0.02 - Colorless pH standardization buffer)	<b>B-50CL</b>	500 ml	<b>9.15</b>
		liter	<b>13.75</b>
		3.8 liter	<b>32.00</b>
		20 liter	<b>109.80</b>
<b>BUFFER SOLUTION, pH=12.45</b>	<b>B-52C</b>	500 ml	<b>12.50</b>
		liter	<b>18.70</b>
		3.8 liter	<b>46.80</b>
<b>BOD NUTRIENT SET</b> (contains one 500 ml each of C-5, F-10, M-10 & P-30)	<b>B-99</b>	4 x 500 ml	<b>35.00</b>
<b>BUFFER CALIBRATION 6-pack</b> Two 500 ml bottles each of the following pH CALIBRATION BUFFERS: 4.00, 7.00, and 10.00 (No substitutions, please.)	<b>BUF-SET</b>	6 x 500 ml	<b>43.70</b>
<b>pH ELECTRODE PACK</b> Contains one 500 ml bottle of each pH 4, pH 7, and pH 10 buffers plus one 500 ml bottle of electrode storage solution	<b>BUF-KIT</b>	4 X 500 ml	<b>28.00</b>



# BUFFER CAPSULES & PACKETS

## CHEMVELOPES

For those of you who like to make up your own buffers. Contents of each envelope are dissolved in 500 ml of distilled water. Five envelopes per pack.

pH	NCL #	Price/pk
4	<b>BM-4</b>	<b>9.00</b>
6	<b>BM-6</b>	<b>9.00</b>
7	<b>BM-7</b>	<b>9.00</b>
10	<b>BM-10</b>	<b>9.00</b>



## THERMO SCIENTIFIC ORION BUFFER PACKETS

Sealed buffer packets, ideal for field calibration of pH meters. Each packet is color-coded and suitable for one pH calibration. Sold in packs of 25 for each pH value. Traceable to NIST.



pH	NCL #	Price/pk
4	<b>O-910425</b>	<b>40.50</b>
7	<b>O-910725</b>	<b>40.50</b>
10	<b>O-911025</b>	<b>40.50</b>
(Rinse Solution)	<b>O-911125</b>	<b>40.50</b>

## BUFFER CAPSULES

Each capsule makes 100 ml of the indicated buffer when mixed with 100 ml of distilled water. Sold in cases of 5 vials; each vial contains 10 capsules.

pH	NCL #	Price/pk
4	<b>BM-24</b>	<b>32.00</b>
7	<b>BM-27</b>	<b>32.00</b>
10	<b>BM-30</b>	<b>32.00</b>



## HACH BUFFER POWDER PILLOWS

Single-use powder pillows for 50 ml sample. Packs of 50 pillows.



pH	NCL #	Price/pk
4	<b>H-22269-66</b>	<b>18.10</b>
7	<b>H-22270-66</b>	<b>18.10</b>
10	<b>H-22271-66</b>	<b>18.10</b>



# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
<b>BUFFERED DILUTION WATER</b> (Sterile, buffered dilution water for coliform tests)	<b>B-55R</b>	66 x 99 ml	<b>75.00</b>
<b>CADMIUM GRANULES</b> HM (20-50 mesh)	<b>C-1</b>	250 g	<b>187.20</b>
<b>CALCIUM CARBONATE POWDER, ACS</b> CaCO <sub>3</sub> (Primary standard)	<b>C-3</b>	100 g 500 g	<b>36.40</b> <b>109.20</b>
<b>CALCIUM CHLORIDE, 27.5 g/l</b> (APHA for BOD)	<b>C-5</b>	500 ml liter 3.8 liter	<b>10.00</b> <b>15.00</b> <b>43.70</b>
<b>CALCIUM CHLORIDE, DIHYDRATE, ACS</b> CaCl <sub>2</sub> •2H <sub>2</sub> O	<b>C-4</b>	100 g	<b>18.70</b>
<b>CALCIUM CHLORIDE, ANHYDROUS, ACS</b> CaCl <sub>2</sub>	<b>C-4B</b>	100 g 500 g	<b>29.10</b> <b>87.35</b>
<b>CALMAGITE SOLUTION, 0.1%, Aqueous</b>	<b>C-6F</b>	pint	<b>18.70</b>
<b>CALMAGITE SOLUTION, 0.5%, Aqueous</b>	<b>C-6G</b>	pint	<b>93.60</b>
<b>CDTA (1,2-cyclohexylenediaminetetraacetic acid)</b> (APHA for Fluoride)	<b>C-7</b>	100 g	<b>162.25</b>
<b>CELITE 521</b> (5 micron particle size powder for TSS QC standards.)	<b>CE-521</b>	25 g	<b>21.85</b>
<b>CHLOROFORM, ACS</b> HM CHCl <sub>3</sub>	<b>C-9</b>	pint quart	<b>20.80</b> <b>31.20</b>
<b>CHROMIC ACID SOLUTION, 5.0% (w/v)</b> HM	<b>C-20</b>	3.8 liter	<b>81.10</b>
<b>CHROMIC ACID SOLUTION, 10.0% (w/v)</b> HM	<b>C-20B</b>	3.8 liter	<b>150.80</b>
<b>CHROMIUM TRIOXIDE, ACS</b> HM	<b>C-35</b>	500 g	<b>149.75</b>
<b>CITRIC ACID (Powder-Tech grade)</b>	<b>C-33T</b>	500 g	<b>16.65</b>
<b>COLOR STANDARD, 500 color units</b> HM (APHA for Color)	<b>C-36</b>	pint	<b>187.20</b>

# CHEMICALS & REAGENTS

## CHLORIDE BUFFERS

(For Chloride ISE probe)

Decide which of the two Chloride buffer systems is appropriate for your sample:

- A. Chloride Complexation Buffer (Chloride CISA) will compensate for Ammonia (up to 100 ppm), Sulfide, Bromide, Iodide, and Cyanide. The CISA buffer system consists of a 1-pint bottle of 1 M Nitric Acid and a 15-gram bottle of Sodium Bromate, which the user mixes together.
- B. 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 would NOT be suitable for Wastewater testing. 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.

Reagent	NCL#	Size	Price
<b>NCL CHLORIDE ISA BUFFER</b> HM (5 M NaNO <sub>3</sub> )	<b>C-8F</b>	500 ml	<b>37.45</b>
<b>Thermo Scientific Orion CHLORIDE ISA BUFFER</b> HM (For use with Chloride ISE)	<b>O-940011</b>	475 ml	<b>69.30</b>
<b>NCL CHLORIDE CISA SYSTEM - PART A</b> HM <b>NCL CHLORIDE CISA SYSTEM - PART B</b> HM 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.	<b>N-40C</b> <b>S-32X</b>	pint 15 g	<b>27.40</b> <b>34.30</b>
<b>Thermo Orion CISA SYSTEM</b> HM	<b>O-941709</b>	2 x 475 ml 2 x 15 g	<b>233.10</b>

## CHLORIDE STANDARDS

<b>CHLORIDE STANDARD, 100 ppm as Cl</b>	<b>C-8C</b>	500 ml liter	<b>12.50</b> <b>18.70</b>
<b>CHLORIDE STANDARD, 1000 ppm as Cl</b>	<b>C-8D</b>	500 ml liter	<b>12.50</b> <b>18.70</b>
<b>CHLORIDE STANDARD, 10,000 ppm as Cl</b>	<b>C-8E</b>	500 ml liter	<b>12.50</b> <b>18.70</b>
<b>Thermo Scientific Orion CHLORIDE STANDARD</b> <b>100 ppm as Cl</b>	<b>O-941707</b>	475 ml	<b>56.70</b>
<b>Thermo Scientific Orion CHLORIDE STANDARD</b> <b>1000 ppm as Cl</b>	<b>O-941708</b>	475 ml	<b>56.70</b>



# CHEMICALS & REAGENTS

## CHLORINE STANDARDS & REAGENTS

(For Chlorine ISE probe)

Reagent	NCL#	Size	Price
<b>NCL CHLORINE STANDARD, 100 ppm as Cl</b> (For use with Chlorine ISE)	<b>C-9A</b>	500 ml liter	<b>22.90</b> <b>34.30</b>
<b>Thermo Scientific Orion CHLORINE STANDARD, 100 ppm as Cl</b> (For use with Chlorine ISE)	<b>O-977007</b>	475 ml	<b>69.30</b>
<b>NCL ACID REAGENT</b> <b>HM</b> (For use with Chlorine ISE)	<b>A-13</b>	500 ml liter	<b>22.90</b> <b>34.30</b>
<b>Thermo Scientific Orion ACID REAGENT</b> <b>HM</b> (For use with Chlorine ISE)	<b>O-977011</b>	475 ml	<b>69.30</b>
<b>NCL IODIDE REAGENT</b> (For use with Chlorine ISE)	<b>I-55</b>	pint quart	<b>22.90</b> <b>34.30</b>
<b>Thermo Scientific Orion IODIDE REAGENT</b> (For use with Chlorine ISE)	<b>O-977010</b>	475 ml	<b>80.10</b>

## CHLORINE STANDARD FOR DPD METHODS

<b>CHLORINE STANDARD, 1000 ppm as Cl</b> for use in DPD colorimetric test procedures (Potassium Permanganate, 0.891 g/l)	<b>C-9B</b>	pint	<b>22.90</b>
--	-------------	------	--------------

# CHEMICALS & REAGENTS

## CONDUCTIVITY STANDARDS

Reagent	NCL#	Size	Price
<b>CONDUCTIVITY STANDARD</b> 14.9 micromhos/cm (0.0001 M KCl)	<b>C-37G</b>	500 ml liter	<b>14.55</b> <b>21.85</b>
<b>CONDUCTIVITY STANDARD</b> 74 micromhos/cm (0.0005 M KCl)	<b>C-37H</b>	500 ml liter	<b>14.55</b> <b>21.85</b>
<b>CONDUCTIVITY STANDARD</b> 147 micromhos/cm (0.001 M KCl)	<b>C-37J</b>	500 ml liter	<b>14.55</b> <b>21.85</b>
<b>CONDUCTIVITY STANDARD</b> 718 micromhos/cm (0.005 M KCl)	<b>C-37K</b>	500 ml liter	<b>14.55</b> <b>21.85</b>
<b>CONDUCTIVITY STANDARD</b> 1413 micromhos/cm (0.01 M KCl)	<b>C-37L</b>	500 ml liter	<b>14.55</b> <b>21.85</b>
<b>CONDUCTIVITY STANDARD</b> 2767 micromhos/cm (0.02 M KCl)	<b>C-37M</b>	500 ml liter	<b>14.55</b> <b>21.85</b>
<b>CONDUCTIVITY STANDARD</b> 6668 micromhos/cm (0.05 M KCl)	<b>C-37P</b>	500 ml liter	<b>14.55</b> <b>21.85</b>
<b>CONDUCTIVITY STANDARD</b> 12,900 micromhos/cm (0.1 M KCl)	<b>C-37Q</b>	500 ml liter	<b>14.55</b> <b>21.85</b>

### SINGLE-USE CONDUCTIVITY CALIBRATION STANDARDS

Extra-large opening (1<sup>3</sup>/<sub>4</sub>" diameter) accommodates virtually all conductivity probes. The solution is compatible with all conductivity meters and probes. Supplied as a pack of 6x100 ml standards traceable to NIST.



Micromhos	NCL #	Price/pk
10	<b>CC-175</b>	<b>25.30</b>
100	<b>CC-176</b>	<b>25.30</b>
1413	<b>CC-174</b>	<b>25.30</b>
10,000	<b>CC-178</b>	<b>25.30</b>



# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
<b>COD STANDARD, 500 ppm</b>	<b>C-50D</b>	500 ml	<b>18.70</b>
<b>COD STANDARD, 1000 ppm</b>	<b>C-99D</b>	500 ml	<b>18.70</b>
<b>COD STANDARD, 4000 ppm</b>	<b>C-49D</b>	500 ml	<b>24.95</b>
<b>COPPER SULFATE SOLUTION, 2% (w/v)</b>	<b>C-38A</b>	500 ml liter	<b>16.65</b> <b>24.95</b>
<b>COPPER SULFATE, 0.1 M</b>	<b>C-38B</b>	500 ml liter 3.8 liter	<b>16.65</b> <b>24.95</b> <b>74.90</b>
<b>COPPER SULFATE PENTAHYDRATE, ACS Crystals,</b> CuSO <sub>4</sub> •5H <sub>2</sub> O	<b>C-39</b>	100 g 500 g	<b>16.65</b> <b>49.90</b>
<b>COPPER SULFATE-SULFAMIC ACID INHIBITOR</b> (APHA for DO)	<b>C-40</b>	500 ml liter 3.8 liter	<b>15.60</b> <b>23.40</b> <b>70.20</b>
<b>CRYSTAL VIOLET, 0.1% Aqueous</b>	<b>C-70X</b>	2 oz	<b>12.50</b>
<b>DEIONIZED WATER</b> H <sub>2</sub> O	<b>D-1-3.8</b> <b>D-1-4 x 3.8</b> <b>D-1-20</b>	3.8 liter 4 x 3.8 liter 20 liter	<b>6.25</b> <b>18.70</b> <b>28.10</b>
<b>DESICCANT, INDICATING, 8 mesh</b> DRIERITE (for desiccators)	<b>D-20</b>	1 lb cs, 12 x 1 lb 5 lb cs, 4 x 5 lb	<b>11.70</b> <b>117.40</b> <b>46.00</b> <b>171.90</b>
<b>DESICCANT, NON-INDICATING, 8 mesh</b> DRIERITE (for desiccators)	<b>D-21</b>	1 lb cs, 12 x 1 lb 5 lb cs, 4 x 5 lb	<b>6.00</b> <b>60.00</b> <b>21.00</b> <b>75.00</b>
<b>DESICCANT, t.h.e<sup>®</sup>, INDICATING, 8 mesh</b>	<b>D-14</b>	500 g	<b>56.00</b>
<b>DESICCANT, t.h.e<sup>®</sup>, NON-INDICATING, 8 mesh</b>	<b>D-13</b>	500 g	<b>56.00</b>
<b>DIGESTION REAGENT (non-mercury)</b> <b>HM</b> (APHA for Kjeldahl Nitrogen Standard Methods, 19th ed. & later)	<b>D-25A</b>	500 ml liter 3.8 liter	<b>21.85</b> <b>32.75</b> <b>81.90</b>
<b>DIPHENYLAMINE INDICATOR SOLUTION</b>	<b>D-40</b>	500 ml	<b>46.80</b>
<b>DPD INDICATOR SOLUTION</b> (APHA for Residual Chlorine)	<b>D-50</b>	pint quart	<b>18.70</b> <b>24.95</b>
<b>DPD SULFATE</b>	<b>D-51</b>	10 g	<b>30.15</b>

# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
<b>EDTA TITRANT, 0.01 M</b>	<b>E-10</b>	500 ml liter 3.8 liter	<b>12.50</b> <b>18.70</b> <b>46.80</b>
<b>EDTA TITRANT, 0.02 M</b>	<b>E-9</b>	500 ml liter 3.8 liter	<b>12.50</b> <b>18.70</b> <b>46.80</b>
<b>EDTA TITRANT, 0.0575 M</b>	<b>E-5</b>	500 ml liter 3.8 liter	<b>12.50</b> <b>18.70</b> <b>46.80</b>
<b>EDTA TITRANT, 0.1 M</b>	<b>E-3</b>	500 ml liter 3.8 liter	<b>12.50</b> <b>18.70</b> <b>46.80</b>
<b>EDTA POWDER, Disodium Salt, dihydrate, ACS</b> (HO <sub>2</sub> CCH <sub>2</sub> ) <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> N(CH <sub>2</sub> CO <sub>2</sub> Na) <sub>2</sub> •2H <sub>2</sub> O	<b>E-11</b>	100 g 500 g	<b>27.05</b> <b>81.10</b>
<b>ELECTRODE STORAGE SOLUTION</b> (For storing pH electrodes)	<b>E-24</b>	500 ml	<b>18.70</b>
<b>ETHYL ALCOHOL, 95%, DENATURED</b> HM	<b>E-30</b>	500 ml liter 3.8 liter	<b>15.60</b> <b>22.35</b> <b>55.90</b>
<b>ERIOCHROME BLACK T MIXTURE</b> (hardness indicator) 1% with NaCl	<b>E-50</b>	100 g	<b>24.95</b>
<b>FERRIC CHLORIDE SOLUTION, 0.25 g/l</b> (APHA for BOD)	<b>F-10</b>	500 ml liter 3.8 liter	<b>10.00</b> <b>15.00</b> <b>43.70</b>
<b>FERRIC CHLORIDE HEXAHYDRATE, ACS</b> FeCl <sub>3</sub> •6H <sub>2</sub> O	<b>F-10C</b>	25 g 100 g	<b>9.90</b> <b>30.15</b>
<b>FERROIN INDICATOR SOLUTION</b> (APHA for COD)	<b>F-15</b>	8 oz pint	<b>35.35</b> <b>53.05</b>
<b>FERROUS AMMONIUM SULFATE,</b> 1.106 g/l	<b>F-18</b>	pint quart	<b>18.70</b> <b>24.95</b>
<b>FERROUS AMMONIUM SULFATE, 0.250 M</b> HM (APHA for COD, Procedure 508-A)	<b>F-19A</b>	pint quart	<b>18.70</b> <b>24.95</b>
<b>FERROUS AMMONIUM SULFATE, 0.1N</b> HM	<b>F-19D</b>	pint quart	<b>18.70</b> <b>24.95</b>



# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
<b>FERROUS AMMONIUM SULFATE, 0.0282 N</b> HM	<b>F-19H</b>	pint quart	<b>18.70</b> <b>24.95</b>
<b>FERROUS AMMONIUM SULFATE, ACS</b> (NH <sub>4</sub> ) <sub>2</sub> Fe(SO <sub>4</sub> ) <sub>2</sub> •6H <sub>2</sub> O	<b>F-21</b>	500 g	<b>158.10</b>

## Fluoride Buffers (TISAB)

TISAB III is 10 times as strong as TISAB II. Mix TISAB III 1:10 with samples and standards. For example 50 ml of sample requires 5 ml of TISAB III, 25 ml of sample requires 2.5 ml of TISAB III, etc.

TISAB II needs to be mixed 1:1 with standards and samples. For example, 25 ml of sample requires 25 ml of TISAB II, 50 ml of sample requires 50 ml of TISAB II, etc.

Reagent	NCL#	Size	Price
<b>TISAB III</b> (APHA for Fluoride) HM (TISAB Concentrate) (Use 1 part TISAB III to 10 parts of sample or standard)	<b>F-29</b>	500 ml liter 3.8 liter	<b>33.30</b> <b>49.90</b> <b>149.75</b>
<b>Thermo Scientific Orion TISAB III</b> (APHA for Fluoride) HM (TISAB Concentrate) (Use 1 part TISAB III to 10 parts of sample or standard)	<b>O-940911</b>	475 ml	<b>121.50</b>
<b>TISAB II</b> (APHA for Fluoride) (Use 1 part TISAB II to 1 part of sample or standard)	<b>F-29A</b>	liter 3.8 liter 20 liter	<b>25.00</b> <b>55.00</b> <b>247.50</b>
<b>Thermo Scientific Orion TISAB II</b> (APHA for Fluoride) (Use 1 part TISAB II to 1 part of sample or standard)	<b>O-940909</b>	3.8 liter	<b>112.50</b>

# CHEMICALS & REAGENTS

## Fluoride Standards

NOTE: For dilute aqueous solutions, like the ones listed on this and the following page, milligrams per liter (mg/l) and parts per million (ppm) are equivalent.

Reagent	NCL#	Size	Price
<b>FLUORIDE STANDARD, 0.20 mg/l</b>	<b>F-34A</b>	500 ml	<b>12.50</b>
		liter	<b>18.70</b>
		3.8 liter	<b>46.80</b>
<b>FLUORIDE STANDARD, 0.50 mg/l</b>	<b>F-34E</b>	500 ml	<b>12.50</b>
		liter	<b>18.70</b>
		3.8 liter	<b>46.80</b>
<b>FLUORIDE STANDARD, 0.75 mg/l</b>	<b>F-35B</b>	500 ml	<b>12.50</b>
		liter	<b>18.70</b>
		3.8 liter	<b>46.80</b>
<b>FLUORIDE STANDARD, 1.00 mg/l</b>	<b>F-36</b>	500 ml	<b>12.50</b>
		liter	<b>18.70</b>
		3.8 liter	<b>46.80</b>
<b>FLUORIDE STANDARD, 1.20 mg/l</b>	<b>F-37</b>	500 ml	<b>12.50</b>
		liter	<b>18.70</b>
		3.8 liter	<b>46.80</b>
<b>FLUORIDE STANDARD, 1.25 mg/l</b>	<b>F-37A</b>	500 ml	<b>12.50</b>
		liter	<b>18.70</b>
		3.8 liter	<b>46.80</b>
<b>FLUORIDE STANDARD, 1.40 mg/l</b>	<b>F-37B</b>	500 ml	<b>12.50</b>
		liter	<b>18.70</b>
		3.8 liter	<b>46.80</b>
<b>FLUORIDE STANDARD, 1.50 mg/l</b>	<b>F-37C</b>	500 ml	<b>12.50</b>
		liter	<b>18.70</b>
		3.8 liter	<b>46.80</b>
<b>FLUORIDE STANDARD, 1.75 mg/l</b>	<b>F-37D</b>	500 ml	<b>12.50</b>
		liter	<b>18.70</b>
		3.8 liter	<b>46.80</b>
<b>FLUORIDE STANDARD, 2.00 mg/l</b>	<b>F-37E</b>	500 ml	<b>12.50</b>
		liter	<b>18.70</b>
		3.8 liter	<b>46.80</b>
<b>FLUORIDE STANDARD, 5.0 ppm</b>	<b>F-39L</b>	500 ml	<b>12.50</b>
		liter	<b>18.70</b>
		3.8 liter	<b>46.80</b>
<b>FLUORIDE STANDARD, 10.0 ppm</b>	<b>F-39A</b>	500 ml	<b>13.50</b>
		liter	<b>20.30</b>
		3.8 liter	<b>50.70</b>
<b>FLUORIDE STANDARD, 20 ppm</b>	<b>F-39B</b>	500 ml	<b>14.05</b>
		liter	<b>21.30</b>
		3.8 liter	<b>52.00</b>



# CHEMICALS & REAGENTS

## Fluoride Standards

NOTE: For dilute aqueous solutions, like the ones listed on this and the previous page, milligrams per liter (mg/l) and parts per million (ppm) are equivalent.

Reagent	NCL#	Size	Price
<b>FLUORIDE STANDARD, 100 ppm</b>	<b>F-39</b>	500 ml liter	<b>18.70</b> <b>28.10</b>
<b>FLUORIDE STANDARD, 1000 ppm</b>	<b>F-38</b>	500 ml liter	<b>21.85</b> <b>32.75</b>
<b>FLUORIDE STANDARD, 1 ppm with TISAB II</b>	<b>F-39M</b>	500 ml liter 3.8 liter	<b>24.95</b> <b>37.45</b> <b>93.60</b>
<b>FLUORIDE STANDARD, 2 ppm with TISAB II</b>	<b>F-39P</b>	500 ml liter 3.8 liter	<b>24.95</b> <b>37.45</b> <b>93.60</b>
<b>FLUORIDE STANDARD, 10 ppm with TISAB II</b>	<b>F-39Q</b>	500 ml liter 3.8 liter	<b>24.95</b> <b>37.45</b> <b>93.60</b>
<b>Thermo Scientific Orion FLUORIDE STANDARD 1 ppm with TISAB II</b>	<b>O-040906</b>	475 ml	<b>65.70</b>
<b>Thermo Scientific Orion FLUORIDE STANDARD 2 ppm with TISAB II</b>	<b>O-040907</b>	475 ml	<b>65.70</b>
<b>Thermo Scientific Orion FLUORIDE STANDARD 10 ppm with TISAB II</b>	<b>O-040908</b>	475 ml	<b>65.70</b>
<b>FLUORIDE STANDARD #1 "100 ppm as F"</b> (For Metal finishing industry-This standard is a 1:1 volumetric mixture of 100 ppm Fluoride standard and Sodium Acetate Buffer, pH 5.4)	<b>F-39X</b>	liter	<b>31.20</b>
<b>FLUORIDE STANDARD #2 "1000 ppm as F"</b> (For Metal finishing industry-This standard is a 1:1 volumetric mixture of 1000 ppm Fluoride standard and Sodium Acetate Buffer, pH 5.4)	<b>F-39Y</b>	liter	<b>31.20</b>

# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
<b>FORMALDEHYDE, ACS</b> HM CH <sub>2</sub> O	<b>F-54</b>	500 ml	<b>30.00</b>
<b>FORMALDEHYDE SOLUTION, 1:9 Aqueous</b> HM (Approx. 4%)	<b>F-56</b>	500 ml liter	<b>18.70</b> <b>28.10</b>
<b>GLUCOSE, ACS</b>	<b>G-50</b>	100 g 500 g	<b>23.90</b> <b>71.75</b>
<b>GLUTAMIC ACID, 99+%</b>	<b>G-60</b>	100 g 500 g	<b>28.10</b> <b>84.25</b>
<b>GLYCERIN, ACS (Glycerol)</b>	<b>G-65</b>	500 ml liter	<b>79.15</b> <b>118.75</b>
<b>GRAM'S DECOLORIZER</b> HM (For Gram's stain sets)	<b>G-70</b>	pint	<b>21.85</b>
<b>HARDNESS BUFFER</b> (APHA for Hardness, Procedure 314-B)	<b>H-5</b>	pint quart	<b>12.50</b> <b>18.70</b>
<b>HARDNESS STANDARD</b> (100 ppm as CaCO <sub>3</sub> )	<b>H-6</b>	500 ml liter	<b>24.95</b> <b>37.45</b>
<b>HARDNESS STANDARD</b> (1000 ppm as CaCO <sub>3</sub> )	<b>H-6A</b>	500 ml liter	<b>24.95</b> <b>37.45</b>
<b>HEXANE (n-Hexane)</b> HM (For Oil & Grease procedure)	<b>H-7P</b>	quart 4 liter	<b>36.40</b> <b>109.20</b>



# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
<b>HYDROCHLORIC ACID, 0.01 N</b>	<b>H-33</b>	500 ml	<b>10.90</b>
		liter	<b>16.65</b>
		3.8 liter	<b>33.30</b>
<b>HYDROCHLORIC ACID, 0.02 N</b>	<b>H-32</b>	500 ml	<b>10.90</b>
		liter	<b>16.65</b>
		3.8 liter	<b>33.30</b>
<b>HYDROCHLORIC ACID, 0.1 N</b> HM	<b>H-30</b>	500 ml	<b>10.90</b>
		liter	<b>16.65</b>
		3.8 liter	<b>33.30</b>
		20 liter	<b>99.85</b>
<b>HYDROCHLORIC ACID, 0.2 N</b> HM	<b>H-25E</b>	3.8 liter	<b>33.30</b>
<b>HYDROCHLORIC ACID, 0.5 N</b> HM	<b>H-25</b>	500 ml	<b>10.90</b>
		liter	<b>16.65</b>
		3.8 liter	<b>33.30</b>
<b>HYDROCHLORIC ACID, 0.6 N</b> HM	<b>H-24</b>	3.8 liter	<b>43.70</b>
<b>HYDROCHLORIC ACID, 1.0 N</b> HM	<b>H-20</b>	500 ml	<b>10.90</b>
		liter	<b>16.65</b>
		3.8 liter	<b>33.30</b>
		20 liter	<b>99.85</b>
<b>HYDROCHLORIC ACID, 2.5 N</b> HM	<b>H-15A</b>	liter	<b>20.70</b>
<b>HYDROCHLORIC ACID, 3.0 N</b> HM	<b>H-15</b>	500 ml	<b>13.65</b>
		liter	<b>20.70</b>
		3.8 liter	<b>62.25</b>
<b>HYDROCHLORIC ACID, 5.0 N</b> HM	<b>H-13</b>	500 ml liter	<b>16.60</b> <b>24.60</b>
<b>HYDROCHLORIC ACID, 6.0 N</b> HM	<b>H-10A</b>	cs, 4 x 3.8 liter	<b>247.10</b>

# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
<b>HYDROCHLORIC ACID, 10% (v/v)</b> HM	<b>H-18</b>	500 ml	<b>10.70</b>
		liter	<b>14.50</b>
		3.8 liter	<b>30.00</b>
		20 liter	<b>90.00</b>
<b>HYDROCHLORIC ACID, 16% (v/v)</b> HM	<b>H-17B</b>	3.8 liter	<b>35.00</b>
<b>HYDROCHLORIC ACID, 20% (v/v)</b> HM	<b>H-17</b>	500 ml	<b>12.00</b>
		liter	<b>16.30</b>
		3.8 liter	<b>39.20</b>
<b>HYDROCHLORIC ACID, 1:1 (50% v/v)</b> HM (Approx. 6 N volumetric solution)	<b>H-10</b>	500 ml	<b>13.75</b>
		liter	<b>20.60</b>
		3.8 liter	<b>61.75</b>
<b>HYDROCHLORIC ACID, ACS, conc.</b> HM (Approx. 37%, 12 N as HCl)	<b>H-9</b>	500 ml	<b>28.30</b>
		6 x 500 ml	<b>113.00</b>
		2.5 liter	<b>43.80</b>
		6 x 2.5 liter	<b>175.25</b>
<b>HYDROCHLORIC ACID, ACS, conc.</b> HM (In plastic-coated glass bottles) (Approx. 37%, 12 N as HCl)	<b>H-9A</b>	2.5 liter	<b>51.50</b>
		6 x 2.5 liter	<b>204.20</b>
<b>HYDROCHLORIC ACID, TRACE-PURE</b> HM (In plastic-coated glass bottles)	<b>H-9TP</b>	2.5 liter 4 x 2.5 liter	<b>83.50</b> <b>268.00</b>



# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
<b>HYDROGEN PEROXIDE, 3%, ACS</b>	<b>H-36</b>	500 ml liter	<b>18.70</b> <b>28.10</b>
<b>HYDROGEN PEROXIDE, 30%, ACS</b> HM	<b>H-37</b>	500 ml	<b>99.85</b>
<b>HYDROXYLAMINE HYDROCHLORIDE SOLUTION</b> (APHA for Iron)	<b>H-50</b>	pint	<b>43.70</b>
<b>IODIDE REAGENT</b> (For use with Chlorine ISE)	<b>I-55</b>	pint quart	<b>22.90</b> <b>34.30</b>
<b>IODINE TITRANT, 0.0250 N</b> (APHA for Sulfide)	<b>I-71</b>	pint	<b>22.90</b>
<b>IODINE TITRANT, 0.0282 N</b> (APHA for Residual Chlorine)	<b>I-70</b>	pint quart	<b>18.70</b> <b>28.10</b>
<b>IODINE TITRANT, 0.1 N</b>	<b>I-60</b>	pint quart 3.8 liter	<b>24.95</b> <b>37.45</b> <b>112.30</b>
<b>IRON STOCK SOLUTION, 200 ppm as Fe</b> HM (APHA for Iron)	<b>I-75</b>	500 ml	<b>24.95</b>
<b>ISOPROPANOL, ACS</b> HM (Isopropyl Alcohol)	<b>I-80</b>	500 ml liter 3.8 liter	<b>18.70</b> <b>28.10</b> <b>84.25</b>
<b>KJELDAHL NITROGEN STANDARD, 1000 ppm as N</b>	<b>K-20</b>	500 ml liter	<b>24.95</b> <b>37.45</b>
<b>LIGHT'S SOLUTION (ORP STANDARD)</b> HM	<b>L-15</b>	pint	<b>33.30</b>
<b>MAGNESIUM CHLORIDE SOLUTION, 81.1 g/l</b> (For Fecal Coliforms), AUTOCLAVED	<b>M-6</b>	8 oz.	<b>24.95</b>
<b>MAGNESIUM CHLORIDE, ACS</b> MgCl <sub>2</sub> •6H <sub>2</sub> O	<b>M-5</b>	100 g 500 g	<b>26.00</b> <b>78.00</b>
<b>MAGNESIUM SULFATE SOLUTION,</b> 22.5 g/l (APHA for BOD)	<b>M-10</b>	500 ml liter 3.8 liter	<b>10.00</b> <b>15.00</b> <b>43.70</b>
<b>MAGNESIUM SULFATE, HEPTAHYDRATE, ACS</b> MgSO <sub>4</sub> •7H <sub>2</sub> O	<b>M-9</b>	100 g 500 g	<b>16.65</b> <b>49.90</b>
<b>MANGANOUS SULFATE SOLUTION</b> (APHA for DO)	<b>M-20</b>	500 ml liter	<b>33.30</b> <b>49.90</b>

# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
<b>MANGANESE SULFATE MONOHYDRATE, ACS</b> MnSO <sub>4</sub> •H <sub>2</sub> O	<b>M-19</b>	500 g	<b>59.80</b>
<b>MANNITOL, ACS</b>	<b>M-25</b>	100 g 500 g	<b>29.10</b> <b>87.90</b>
<b>METHYL ALCOHOL, ANHYDROUS, ACS</b> HM	<b>M-29</b>	pint quart 4 liter	<b>21.30</b> <b>31.70</b> <b>95.70</b>
<b>METHYL ORANGE INDICATOR SOLUTION,</b> 0.1% Aqueous	<b>M-30</b>	500 ml liter	<b>14.55</b> <b>21.85</b>
<b>METHYL ORANGE-XYLENE CYANOLE INDICATOR SOLUTION</b> HM	<b>M-31</b>	500 ml	<b>41.60</b>
<b>METHYL PURPLE INDICATOR SOLUTION,</b> Aqueous	<b>M-30P</b>	pint	<b>49.90</b>
<b>METHYL RED INDICATOR SOLUTION,</b> 1% Aqueous	<b>M-33</b>	500 ml	<b>34.30</b>
<b>METHYL RED INDICATOR SOLUTION,</b> 0.1% Aqueous	<b>M-35</b>	500 ml	<b>22.90</b>
<b>METHYLENE BLUE INDICATOR SOLUTION,</b> 1% Aqueous	<b>M-40</b>	500 ml	<b>36.40</b>
<b>MIXED INDICATOR, METHYL RED-METHYLENE BLUE</b> HM (For Ammonia Nitrogen)	<b>M-50</b>	250 ml 500 ml	<b>16.65</b> <b>24.95</b>
<b>MUREXIDE INDICATOR MIXTURE,</b> 1% with NaCl	<b>M-80</b>	100 g	<b>37.45</b>
<b>MUREXIDE TABLETS</b> (100 tablets per bottle)	<b>M-82</b>	bottle	<b>61.35</b>
<b>NED DIHYDROCHLORIDE</b> N-(1-naphthyl)-ethylenediamine dihydrochloride (For Nitrate and Nitrite colorimetric procedures)	<b>N-12C</b>	25 g	<b>158.25</b>
<b>NEISSER STAIN SET</b> (One 50 ml bottle of each of the 3 components)	<b>NE-3</b>	set	<b>24.95</b>
<b>NICOTINIC ACID</b> (Used for spiking in Kjeldahl digestions)	<b>N-15</b>	100 g	<b>44.70</b>



# CHEMICALS & REAGENTS

## NITRATE BUFFERS

(For use with Nitrate ISE probes)

1. NCL# N-27B (Buffer Solution for Nitrates) and the Orion# 930710 (Nitrate Interference Suppressor Solution) are both equivalent to the "Buffer Solution" in Standard Method's Nitrate procedure. One of these should be added to the standards and samples.
2. Orion's Nitrate ISA Buffer (#930711) is NOT equivalent to any Standard Methods reagent for Nitrate analysis. It's only function is to be diluted and used for an outer-chamber filling solution of the reference probe when using the two-probe system for nitrates. The NCL equivalent is #A-49A (2 M Ammonium Sulfate). However, there is no need to have either of these, as you can buy the filling solutions "ready-to-use".
3. NEVER use NCL# N-27B, or Orion 930710 as a filling solution. They WILL destroy your reference probe.

Reagent	NCL#	Size	Price
<b>BUFFER SOLUTION FOR NITRATES</b> (APHA for Nitrate) For use with Nitrate ISE probes This is equivalent to <b>Thermo</b> Scientific Orion Nitrate Interference Suppressor Solution.	<b>N-27B</b>	pint	<b>43.65</b>
		quart	<b>65.55</b>
<b>Thermo Scientific Orion NITRATE INTERFERENCE SUPPRESSOR SOLUTION</b>	<b>O-930710</b>	475 ml	<b>69.30</b>

## NITRATE STANDARDS

<b>NITRATE STANDARD, 1.0 ppm as N</b>	<b>N-26B</b>	500 ml liter	<b>12.50</b> <b>18.70</b>
<b>NITRATE STANDARD, 2.0 ppm as N</b>	<b>N-26C</b>	500 ml liter	<b>12.50</b> <b>18.70</b>
<b>NITRATE STANDARD, 10 ppm as N</b>	<b>N-26A</b>	500 ml liter	<b>12.50</b> <b>18.70</b>
<b>NITRATE STANDARD, 20 ppm as N</b>	<b>N-26D</b>	500 ml liter	<b>12.50</b> <b>18.70</b>
<b>NITRATE STANDARD, 100 ppm as N</b>	<b>N-27</b>	500 ml liter	<b>16.65</b> <b>24.95</b>
<b>NITRATE STANDARD, 1000 ppm as N</b>	<b>N-27A</b>	500 ml liter	<b>16.65</b> <b>24.95</b>
<b>Thermo Scientific Orion NITRATE STANDARD, 100 ppm as N</b>	<b>O-930707</b>	475 ml	<b>70.20</b>
<b>Thermo Scientific Orion NITRATE STANDARD, 1000 ppm as N</b>	<b>O-920707</b>	475 ml	<b>70.20</b>

# CHEMICALS & REAGENTS

## NITRITE STANDARD & BUFFER



Reagent	NCL#	Size	Price
<b>NITRITE STANDARD, (100 ppm as N)</b>	<b>N-28</b>	500 ml	<b>37.45</b>
<b>Thermo Scientific Orion ISA BUFFER FOR USE WITH NITRITE PROBE</b>	<b>O-934610</b>	475 ml	<b>75.60</b>
<b>NITRIC ACID, 0.1 N</b> (Volumetric solution) HM	<b>N-41</b>	pint	<b>24.95</b>
<b>NITRIC ACID, 1.0 M</b> (Volumetric solution) (For making CISA buffer for Chloride ISE probe) HM	<b>N-40C</b>	pint	<b>27.40</b>
<b>NITRIC ACID, 40%</b> (w/w as HNO <sub>3</sub> ) HM	<b>N-40</b>	pint quart	<b>36.60</b> <b>54.90</b>
<b>NITRIC ACID, ACS, conc., HNO<sub>3</sub></b> HM (Approx. 70%, 16 N as HNO <sub>3</sub> )	<b>N-30</b>	500 ml 6 x 500 ml 2.5 liter 6 x 2.5 liter	<b>40.40</b> <b>161.40</b> <b>55.10</b> <b>220.50</b>
<b>NITRIC ACID, TRACE-PURE</b> (For Metals analysis) HM (In plastic-coated glass bottles)	<b>N-30TP</b>	6 x 500 ml 2.5 liter 4 x 2.5 liter	<b>278.00</b> <b>115.00</b> <b>445.00</b>
<b>NITRIFICATION INHIBITOR (TCMP)</b> , for BOD tests. The 35 gram size comes in a dispenser bottle.	<b>N-50</b>	35 g 100 g 500 g	<b>35.50</b> <b>43.70</b> <b>140.00</b>
<b>DISPENSER FOR N-50</b>			
	<b>DO-250</b>	dispenser w/40 g vial	<b>39.00</b>
	<b>DO-251</b>	40 g vial	<b>19.50</b>

# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
<b>ORP STANDARDS</b>	Please see <b>L-15</b> and <b>Z-65</b> in this section.		
<b>PHENANTHROLINE SOLUTION</b> (APHA for Iron)	<b>P-5</b>	pint	<b>24.95</b>
<b>PHENOL RED INDICATOR SOLUTION,</b> 0.2 % Aqueous	<b>P-16A</b>	liter	<b>34.30</b>
<b>PHENOL RED INDICATOR SOLUTION,</b> 0.04% Aqueous	<b>P-15</b>	500 ml	<b>22.90</b>
<b>PHENOL RED, SODIUM SALT, ACS</b> (water soluble)	<b>P-16B</b>	5 g	<b>35.90</b>
<b>PHENOLPHTHALEIN INDICATOR SOLUTION</b> <b>HM</b> (1% in Isopropyl Alcohol)	<b>P-18</b>	500 ml liter 3.8 liter	<b>15.00</b> <b>22.50</b> <b>67.50</b>
<b>PHENOLPHTHALEIN, INDICATOR</b> (APHA for Phosphorus) 0.5% Aqueous	<b>P-18W</b>	250 ml 500 ml	<b>22.90</b> <b>34.30</b>
<b>PHENOLPHTHALEIN, INDICATOR</b> <b>HM</b> 0.5% (in 50% Isopropyl Alcohol)	<b>P-18E</b>	500 ml liter 3.8 liter	<b>12.50</b> <b>18.70</b> <b>56.15</b>
<b>PHENOLPHTHALEIN, ACS, powder</b>	<b>P-18C</b>	25 g	<b>35.35</b>
<b>PHOSPHATE BUFFER SOLUTION,</b> pH = 7.2 (APHA for BOD)	<b>P-30</b>	500 ml liter 3.8 liter	<b>10.00</b> <b>15.00</b> <b>43.70</b>
<b>PHOSPHATE BUFFER SOLUTION</b> (APHA for Residual Chlorine)	<b>P-31</b>	500 ml liter	<b>16.65</b> <b>24.95</b>
<b>PHOSPHATE BUFFER CONCENTRATE,</b> (For Fecal coliforms, pH=7.2), <b>AUTOCLAVED</b>	<b>P-32</b>	8 oz.	<b>24.95</b>
<b>PHOSPHATE STANDARD, 1 ppm as P</b> (1.00 ml = 1 µg P)	<b>P-35F</b>	500 ml liter	<b>12.50</b> <b>18.70</b>
<b>PHOSPHATE STANDARD, 5 ppm as P</b> (1.00 ml = 5 µg P)	<b>P-35A</b>	500 ml liter	<b>12.50</b> <b>18.70</b>
<b>PHOSPHATE STANDARD, 50 ppm as P</b> (1.00 ml = 50 µg P)	<b>P-35</b>	500 ml liter	<b>14.55</b> <b>21.85</b>
<b>PHOSPHATE STANDARD, 1000 ppm</b>	<b>P-34</b>	500 ml liter	<b>18.70</b> <b>28.10</b>

# CHEMICALS & REAGENTS

## Phosphate-Free Reagents

### Certified Phosphate Free\*

\*each individual container is tested and is certified to contain <0.02 mg/l orthophosphate as "P."

Reagent	NCL#	Size	Price
<b>AMMONIUM MOLYBDATE, 4%, PHOS-FREE</b> (APHA for Phosphate)	<b>A-40PF</b>	liter	<b>44.70</b>
<b>POTASSIUM ANTIMONYL TARTRATE SOLUTION,</b> 1.3715 g/500 ml, <b>PHOS-FREE, AUTOCLAVED</b>	<b>P-46BPF</b>	pint	<b>29.65</b>
<b>SODIUM HYDROXIDE, 1.54 N, PHOS-FREE</b> HM	<b>S-49TPF</b>	500 ml liter	<b>22.35</b> <b>31.20</b>
<b>SODIUM HYDROXIDE, 240 g/l, PHOS-FREE</b> HM (Approx. 6 N)	<b>S-45PF</b>	500ml liter 3.8 liter	<b>28.60</b> <b>41.65</b> <b>61.90</b>
<b>SODIUM HYDROXIDE, 5.0 N, PHOS-FREE</b> HM	<b>S-48PF</b>	500 ml liter 3.8 liter	<b>32.30</b> <b>46.50</b> <b>70.20</b>
<b>SULFURIC ACID, 1.54 N, PHOS-FREE</b> HM	<b>S-91HPF</b>	500 ml liter	<b>23.90</b> <b>30.75</b>
<b>SULFURIC ACID, 5 N (Volumetric solution), PHOS-FREE</b> HM	<b>S-90APF</b>	500 ml liter 3.8 liter	<b>30.00</b> <b>42.15</b> <b>63.95</b>
<b>SULFURIC ACID, 13 N (Volumetric solution), PHOS-FREE</b> HM	<b>S-90DPF</b>	500 ml liter 3.8 liter	<b>55.20</b> <b>72.75</b> <b>118.05</b>



# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
<b>PHOSPHORIC ACID, 85%, ACS</b> HM H <sub>3</sub> PO <sub>4</sub> (Approx. 45 N)	<b>P-40</b>	500 ml 6 x 500 ml 2.5 liter 6 x 2.5 liter	<b>47.85</b> <b>191.35</b> <b>75.00</b> <b>360.00</b>
<b>PHOSPHORIC ACID, 50%, (w/w)</b> HM	<b>P-42</b>	3.8 liter	<b>34.30</b>
<b>PHOSPHORIC ACID, 10%, (v/v)</b> HM	<b>P-41B</b>	liter	<b>19.75</b>
<b>PHOSPHORIC ACID, 75%, Tech. grade</b> HM	<b>P-41</b>	3.8 liter	<b>52.00</b>
<b>PHOSPHORIC-CHROMIC ACID STRIPPING SOLUTION,</b> HM (ASTM for Coating weights)	<b>P-46</b>	3.8 liter	<b>53.05</b>
<b>POTASSIUM ANTIMONYL TARTRATE SOLUTION,</b> 1.3715 g/500 ml <b>AUTOCLAVED</b>	<b>P-46B</b>	pint	<b>24.40</b>
<b>POTASSIUM ANTIMONYL TARTRATE SOLUTION,</b> 1.3715 g/500 ml, <b>PHOS-FREE, AUTOCLAVED</b>	<b>P-46BPF</b>	pint	<b>29.65</b>
<b>POTASSIUM ANTIMONYL TARTRATE</b> K(SbO)C <sub>4</sub> H <sub>4</sub> O <sub>6</sub> • <sup>1</sup> / <sub>2</sub> H <sub>2</sub> O	<b>P-46A</b>	100 g 500 g	<b>43.25</b> <b>129.75</b>
<b>POTASSIUM BI-IODATE, 0.0250 N</b>	<b>P-46X</b>	pint quart	<b>16.65</b> <b>24.95</b>
<b>POTASSIUM BI-IODATE, 0.0375 N</b>	<b>P-46T</b>	pint quart	<b>16.65</b> <b>24.95</b>
<b>POTASSIUM CHLORIDE, 2 M</b>	<b>P-47B</b>	pint	<b>20.80</b>
<b>POTASSIUM CHLORIDE, 3 M</b>	<b>P-47C</b>	pint	<b>22.90</b>



# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
<b>POTASSIUM CHLORIDE, Saturated,</b> (Approx. 4 M)	<b>P-47</b>	pint	<b>24.95</b>
<b>POTASSIUM CHLORIDE, 4 M Saturated with Silver Chloride</b>	<b>P-47A</b>	pint	<b>37.45</b>
<b>POTASSIUM CHLORIDE, ACS</b> KCl	<b>P-48</b>	100 g 500 g	<b>12.00</b> <b>33.30</b>
<b>POTASSIUM CHROMATE INDICATOR SOLUTION,</b> 5% (w/v)	<b>P-50</b>	500 ml liter	<b>23.40</b> <b>35.35</b>
<b>POTASSIUM DICHROMATE, 0.025N</b>	<b>P-57C</b>	pint quart	<b>17.15</b> <b>22.90</b>
<b>POTASSIUM DICHROMATE, 0.100 N</b>	<b>P-56</b>	pint quart	<b>17.15</b> <b>22.90</b>
<b>POTASSIUM DICHROMATE, 0.250 N</b>	<b>P-55</b>	pint quart	<b>17.15</b> <b>22.90</b>
<b>POTASSIUM DICHROMATE, ACS</b> (Primary standard) K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	<b>P-52X</b>	100 g 500 g	<b>39.00</b> <b>116.50</b>
<b>POTASSIUM FERRICYANIDE, 0.1 N</b>	<b>P-57F</b>	3.8 liter	<b>95.15</b>
<b>POTASSIUM FLUORIDE, 20% (w/v)</b> HM	<b>P-60A</b>	liter 3.8 liter	<b>50.95</b> <b>123.75</b>
<b>POTASSIUM FLUORIDE, 25% (w/v)</b> HM	<b>P-60C</b>	liter 3.8 liter	<b>56.95</b> <b>146.65</b>
<b>POTASSIUM FLUORIDE, 50% (w/v)</b> HM	<b>P-59</b>	liter 3.8 liter	<b>89.45</b> <b>268.30</b>
<b>POTASSIUM HYDROGEN PHTHALATE, ACS</b> Primary Standard (Potassium Acid Phthalate) 2-(HO <sub>2</sub> C)C <sub>6</sub> H <sub>4</sub> CO <sub>2</sub> K	<b>P-61</b>	100 g 500 g	<b>29.10</b> <b>77.50</b>



# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
<b>POTASSIUM HYDROXIDE, ACS</b> HM KOH	<b>P-62</b>	500 g 2.5 kg	<b>35.30</b> <b>106.10</b>
<b>POTASSIUM IODIDE, 30 g/l</b>	<b>P-77B</b>	quart	<b>17.70</b>
<b>POTASSIUM IODIDE, 5% (w/v)</b>	<b>P-77</b>	pint quart 3.8 liter	<b>11.95</b> <b>17.70</b> <b>53.05</b>
<b>POTASSIUM IODIDE, 10% (w/v)</b>	<b>P-76</b>	pint quart 3.8 liter	<b>21.30</b> <b>31.70</b> <b>95.70</b>
<b>POTASSIUM IODIDE, 20% (w/v)</b>	<b>P-75</b>	pint quart	<b>39.10</b> <b>58.75</b>
<b>POTASSIUM IODIDE, 1.00 N</b>	<b>P-75D</b>	3.8 liter	<b>128.95</b>
<b>POTASSIUM IODIDE, ACS</b> KI	<b>P-73</b>	100 g 500 g 2.5 kg	<b>43.70</b> <b>131.05</b> <b>393.10</b>
<b>POTASSIUM PERMANGANATE, 0.042 N</b>	<b>P-84</b>	pint quart 3.8 liter	<b>11.45</b> <b>17.15</b> <b>51.50</b>
<b>POTASSIUM PERMANGANATE, 0.1 N</b>	<b>P-83</b>	pint quart 3.8 liter	<b>11.45</b> <b>17.15</b> <b>51.50</b>
<b>POTASSIUM PERMANGANATE, 0.2 N</b>	<b>P-81</b>	3.8 liter	<b>51.50</b>
<b>POTASSIUM PERMANGANATE, 1.0 N</b>	<b>P-80</b>	pint quart	<b>30.70</b> <b>45.75</b>
<b>POTASSIUM PERMANGANATE, 0.891 g/l</b> (Equivalent to 1000 ppm total residual chlorine in DPD colorimetric test procedures)	<b>P-85</b>	pint	<b>22.90</b>
<b>POTASSIUM PERMANGANATE, ACS</b> HM KMnO <sub>4</sub>	<b>P-79</b>	100 g 500 g	<b>37.45</b> <b>112.30</b>
<b>POTASSIUM PERSULFATE, ACS</b> HM K <sub>2</sub> S <sub>2</sub> O <sub>8</sub>	<b>P-90</b>	100 g 500 g	<b>17.15</b> <b>51.50</b>
<b>POTASSIUM PHOSPHATE DIBASIC, ANHYDROUS, ACS</b> K <sub>2</sub> HPO <sub>4</sub> (Dipotassium monohydrogen phosphate)	<b>P-91</b>	100 g 500 g	<b>15.60</b> <b>46.80</b>

# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
<b>POTASSIUM PHOSPHATE MONOBASIC, ACS</b> KH <sub>2</sub> PO <sub>4</sub> (Potassium dihydrogen phosphate)	<b>P-92</b>	100 g 500 g	<b>15.60</b> <b>46.80</b>
<b>POTASSIUM SULFATE, ACS</b> K <sub>2</sub> SO <sub>4</sub>	<b>P-95</b>	100 g 500 g 2.5 kg	<b>20.30</b> <b>60.85</b> <b>182.50</b>
<b>QUINHYDRONE, 97%</b>	<b>Q-25</b>	25 g	<b>35.00</b>
<b>REXYN 101 (H), CERTIFIED</b>	<b>RX-101-500</b>	500 g	<b>149.00</b>
<b>ROSOLIC ACID</b>	<b>R-70</b>	25 g 100 g	<b>61.00</b> <b>185.00</b>
<b>SAFRANIN O, 0.25% in 10% Ethanol</b> (For modified Gram Stain procedure)	<b>S-3</b>	50 ml	<b>12.50</b>
<b>SAFRANIN O, 0.5% Aqueous</b> (For PHB Stain)	<b>S-4</b>	50 ml	<b>12.50</b>
<b>SALICYLIC ACID, ACS</b>	<b>S-10</b>	100 g 500 g	<b>39.25</b> <b>117.80</b>
<b>SILVER NITRATE, 0.0141 N</b>	<b>S-20X</b>	pint quart 3.8 liter	<b>Call for Quote</b>
<b>SILVER NITRATE, 0.0171 N</b>	<b>S-20Y</b>	pint quart	<b>Call for Quote</b>
<b>SILVER NITRATE, 0.0282 N</b>	<b>S-20C</b>	3.8 liter	<b>Call for Quote</b>
<b>SILVER NITRATE, 0.1 N</b>	<b>S-20</b>	pint quart 3.8 liter	<b>Call for Quote</b>
<b>SILVER NITRATE, 0.141 N</b>	<b>S-18D</b>	quart	<b>Call for Quote</b>
<b>SILVER NITRATE, 0.15 N</b>	<b>S-15</b>	3.8 liter	<b>Call for Quote</b>
<b>SILVER NITRATE CRYSTALS, ACS</b> AgNO <sub>3</sub>	<b>S-17</b>	100 g	<b>Call for Quote</b>



# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
<b>SILVER SULFATE, ACS</b> Ag <sub>2</sub> SO <sub>4</sub>	<b>S-25</b>	100 g	<b>Call for Quote</b>
<b>SODIUM ACETATE BUFFER, pH 5.4</b> For Metal Finishing Fluoride tests	<b>S-28A</b>	liter 3.8 liter	<b>15.60</b> <b>46.80</b>
<b>SODIUM ACETATE, TRIHYDRATE, ACS</b> NaC <sub>2</sub> H <sub>3</sub> O <sub>2</sub> •3H <sub>2</sub> O	<b>S-29</b>	500 g 2.5 kg	<b>30.70</b> <b>92.55</b>
<b>SODIUM ARSENITE, 5 g/l</b> HM	<b>S-30</b>	500 ml	<b>45.75</b>
<b>SODIUM AZIDE, ACS</b> HM NaN <sub>3</sub>	<b>S-31</b>	100 g	<b>63.95</b>
<b>SODIUM BICARBONATE, ACS</b> NaHCO <sub>3</sub>	<b>S-32</b>	100 g 500 g	<b>18.30</b> <b>54.90</b>
<b>SODIUM BORATE, ACS</b>	Please see <b>SODIUM TETRABORATE DECAHYDRATE, ACS, S-32E</b>		
<b>SODIUM BROMIDE, 10% (w/v)</b>	<b>S-32M</b>	3.8 liter	<b>87.35</b>
<b>SODIUM BROMATE, ACS</b> HM NaBrO <sub>3</sub> (For making CISA buffer for Chloride ISE probe)	<b>S-32X</b>	15 g	<b>34.30</b>
<b>SODIUM CARBONATE, 0.02 N</b>	<b>S-33C</b>	liter	<b>26.50</b>
<b>SODIUM CARBONATE, ACS, Primary Standard</b> Na <sub>2</sub> CO <sub>3</sub>	<b>S-33</b>	100 g 500 g	<b>15.60</b> <b>46.80</b>
<b>SODIUM CARBONATE, Tech Grade</b> Na <sub>2</sub> CO <sub>3</sub> (For Spill Kits)	<b>S-33T</b>	1 kg	<b>23.40</b>
<b>SODIUM CHLORIDE, 0.0141 N</b>	<b>S-35G</b>	500 ml liter	<b>16.65</b> <b>24.95</b>
<b>SODIUM CHLORIDE, 0.1 N</b>	<b>S-36</b>	500 ml liter	<b>16.65</b> <b>24.95</b>
<b>SODIUM CHLORIDE, 0.141 N</b>	<b>S-35E</b>	500 ml liter	<b>16.65</b> <b>24.95</b>

# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
<b>SODIUM CHLORIDE, ACS Crystals</b> NaCl	<b>S-35</b>	500 g 2.5 kg 12 kg	<b>17.15</b> <b>39.50</b> <b>109.20</b>
<b>SODIUM CHROMATE, 10%</b>	<b>S-36F</b>	liter 3.8 liter	<b>79.55</b> <b>253.75</b>
<b>SODIUM STANDARD, 1000 ppm as Na</b>	<b>S-36B</b>	500 ml liter	<b>16.65</b> <b>24.95</b>
<b>SODIUM ISA BUFFER</b> HM (For use with Sodium ISE probes)	<b>S-36C</b>	500 ml	<b>37.45</b>
<b>SODIUM FLUORIDE (20 g/l)</b> HM	<b>S-38C</b>	liter	<b>32.25</b>
<b>SODIUM FLUORIDE, ACS</b> HM	<b>S-38</b>	100 g 500 g	<b>66.70</b> <b>200.00</b>
<b>SODIUM GLUCONATE (purified)</b>	<b>S-38A</b>	500 g	<b>33.30</b>
<b>SODIUM HYDROXIDE, 0.01 N</b>	<b>S-54B</b>	liter	<b>12.50</b>
<b>SODIUM HYDROXIDE, 0.02 N</b>	<b>S-54</b>	500 ml liter 3.8 liter	<b>8.30</b> <b>12.50</b> <b>33.30</b>
<b>SODIUM HYDROXIDE, 0.05 N</b>	<b>S-53X</b>	500 ml liter 3.8 liter	<b>8.30</b> <b>12.50</b> <b>33.30</b>
<b>SODIUM HYDROXIDE, 0.1 N</b> HM	<b>S-53</b>	500 ml liter 3.8 liter 20 liter	<b>8.30</b> <b>12.50</b> <b>33.30</b> <b>99.85</b>
<b>SODIUM HYDROXIDE, 0.2 N</b> HM	<b>S-52N</b>	500 ml liter 3.8 liter	<b>8.30</b> <b>12.50</b> <b>33.30</b>
<b>SODIUM HYDROXIDE, 0.48 N</b> HM	<b>S-52A</b>	20 liter	<b>99.85</b>



# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
<b>SODIUM HYDROXIDE, 0.5 N</b> HM	<b>S-52</b>	500 ml	<b>8.30</b>
		liter	<b>12.50</b>
		3.8 liter	<b>33.30</b>
		20 liter	<b>99.85</b>
<b>SODIUM HYDROXIDE, 1.0 N</b> HM	<b>S-50</b>	500 ml	<b>8.30</b>
		liter	<b>12.50</b>
		3.8 liter	<b>33.30</b>
		20 liter	<b>99.85</b>
<b>SODIUM HYDROXIDE, 1.54 N, PHOS-FREE</b> HM	<b>S-49TPF</b>	500 ml liter	<b>22.35</b> <b>31.20</b>
<b>SODIUM HYDROXIDE, 5.0 N</b> HM	<b>S-48</b>	500 ml	<b>13.00</b>
		liter	<b>19.75</b>
		3.8 liter	<b>59.80</b>
<b>SODIUM HYDROXIDE, 5.0 N, PHOS-FREE</b> HM	<b>S-48PF</b>	500 ml	<b>32.30</b>
		liter	<b>46.50</b>
		3.8 liter	<b>70.20</b>
<b>SODIUM HYDROXIDE, 10.0 N REAGENT GRADE</b> HM	<b>S-43</b>	500 ml	<b>22.35</b>
		liter	<b>33.30</b>
		3.8 liter	<b>99.85</b>
<b>SODIUM HYDROXIDE, 20% (w/v)</b> HM	<b>S-46</b>	500 ml	<b>8.30</b>
		liter	<b>12.50</b>
		3.8 liter	<b>37.45</b>
<b>SODIUM HYDROXIDE, 240 g/l</b> HM (Approx. 6 N)	<b>S-45</b>	500 ml	<b>11.45</b>
		liter	<b>17.15</b>
		3.8 liter	<b>51.50</b>
<b>SODIUM HYDROXIDE, 240 g/l, PHOS-FREE</b> HM (Approx. 6 N)	<b>S-45PF</b>	500 ml	<b>28.60</b>
		liter	<b>41.65</b>
		3.8 liter	<b>61.90</b>
<b>SODIUM HYDROXIDE SOLUTION, 40% (w/v)</b> (APHA for Ammonia nitrogen) HM (Approx. 10 N as NaOH)	<b>S-41</b>	500 ml	<b>10.90</b>
		liter	<b>16.65</b>
		3.8 liter	<b>49.90</b>
		20 liter	<b>149.75</b>
<b>SODIUM HYDROXIDE SOLUTION, 50% (w/w)</b> HM (Approx. 19 N as NaOH)	<b>S-41X</b>	500 ml	<b>10.90</b>
		liter	<b>16.65</b>
		3.8 liter	<b>49.90</b>
		20 liter	<b>149.75</b>
<b>SODIUM HYDROXIDE, ACS</b> HM NaOH	<b>S-39B</b>	500 g	<b>31.20</b>
		2.5 kg	<b>94.10</b>
<b>SODIUM HYDROXIDE-SODIUM THIOSULFATE REAGENT</b> HM (APHA for Kjeldahl Nitrogen)	<b>S-56</b>	liter	<b>31.70</b>
		3.8 liter	<b>94.65</b>
<b>SODIUM IODIDE, ACS</b> NaI	<b>S-58</b>	100 g	<b>105.05</b>
		500 g	<b>315.10</b>

# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
<b>SODIUM METABISULFITE, ACS</b> Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub>	<b>S-60</b>	500 g	<b>31.20</b>
<b>SODIUM NITRATE, ACS</b> HM NaNO <sub>3</sub>	<b>S-60M</b>	100 g 500 g	<b>33.30</b> <b>99.85</b>
<b>SODIUM NITRITE, ACS</b> HM NaNO <sub>2</sub>	<b>S-61</b>	100 g 500 g	<b>35.35</b> <b>106.10</b>
<b>SODIUM PERIODATE, 0.04 M</b>	<b>S-62C</b>	liter	<b>41.60</b>
<b>SODIUM PERIODATE, 4.4 g/l</b>	<b>S-62</b>	liter	<b>25.50</b>
<b>SODIUM PERSULFATE, ACS</b> HM Na <sub>2</sub> S <sub>2</sub> O <sub>8</sub>	<b>S-61P</b>	2.5 kg	<b>87.90</b>
<b>SODIUM PHOSPHATE DIBASIC ANHYDROUS, ACS</b> Na <sub>2</sub> HPO <sub>4</sub> (Disodium Hydrogen Phosphate)	<b>S-64</b>	100 g 500 g	<b>16.10</b> <b>48.90</b>
<b>SODIUM PHOSPHATE DIBASIC HEPTAHYDRATE, ACS</b> Na <sub>2</sub> HPO <sub>4</sub> •7H <sub>2</sub> O (Disodium Hydrogen Phosphate Heptahydrate)	<b>S-64B</b>	100 g 500 g 2.5 kg	<b>33.80</b> <b>101.40</b> <b>304.20</b>
<b>SODIUM PHOSPHATE MONOBASIC MONOHYDRATE, ACS</b> NaH <sub>2</sub> PO <sub>4</sub> •H <sub>2</sub> O (Sodium dihydrogen phosphate monohydrate)	<b>S-64A</b>	100 g 500 g	<b>18.70</b> <b>56.15</b>
<b>SODIUM SULFATE, ACS</b> Na <sub>2</sub> SO <sub>4</sub>	<b>S-65</b>	100 g 500 g 2.5 kg	<b>8.85</b> <b>26.50</b> <b>79.55</b>
<b>SODIUM SULFITE, 1% (w/v)</b>	<b>S-67C</b>	500 ml liter	<b>12.50</b> <b>18.70</b>
<b>SODIUM SULFITE, 10% (w/v)</b> "Zero Oxygen Solution"	<b>S-67B</b>	500 ml liter	<b>14.55</b> <b>21.85</b>
<b>SODIUM SULFITE, ACS</b> Na <sub>2</sub> SO <sub>3</sub>	<b>S-67</b>	100 g 500 g	<b>9.35</b> <b>28.60</b>
<b>SODIUM TETRABORATE DECAHYDRATE, ACS</b> Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> •10H <sub>2</sub> O	<b>S-32E</b>	500 g	<b>48.35</b>



# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
<b>SODIUM THIOSULFATE, 0.00564 N</b>	<b>S-75D</b>	pint quart	<b>9.90</b> <b>14.55</b>
<b>SODIUM THIOSULFATE, 0.01 N</b>	<b>S-75</b>	pint quart 3.8 liter	<b>9.90</b> <b>14.55</b> <b>43.70</b>
<b>SODIUM THIOSULFATE, 0.0125 N</b>	<b>S-75F</b>	pint quart 3.8 liter	<b>9.90</b> <b>14.55</b> <b>43.70</b>
<b>SODIUM THIOSULFATE, 0.0250 N</b>	<b>S-74</b>	pint quart 3.8 liter	<b>9.90</b> <b>14.55</b> <b>43.70</b>
<b>SODIUM THIOSULFATE, 0.0375 N</b>	<b>S-73</b>	pint quart 3.8 liter	<b>9.90</b> <b>14.55</b> <b>43.70</b>
<b>SODIUM THIOSULFATE, 0.1 N</b>	<b>S-72</b>	pint quart 3.8 liter 20 liter	<b>9.90</b> <b>14.55</b> <b>43.70</b> <b>131.05</b>
<b>SODIUM THIOSULFATE, 0.25 N</b>	<b>S-71</b>	pint quart 3.8 liter	<b>9.90</b> <b>14.55</b> <b>43.70</b>
<b>SODIUM THIOSULFATE, 1.0 N</b>	<b>S-69</b>	pint quart 3.8 liter	<b>24.95</b> <b>37.45</b> <b>112.30</b>
<b>SODIUM THIOSULFATE, 10%</b> (For neutralizing Chlorine in fecal samples)	<b>S-68</b>	pint quart	<b>16.65</b> <b>24.95</b>
<b>SODIUM THIOSULFATE PENTAHYDRATE, ACS</b> $\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$	<b>S-67A</b>	100 g 500 g	<b>9.35</b> <b>28.60</b>
<b>SODIUM THIOSULFATE TABLETS</b> (For neutralizing Chlorine in 100 ml fecal samples)	<b>S-67T-1000</b>	pk 1000	<b>25.75</b>
<b>SPADNS Reagent</b> (Acid Zirconyl SPADNS Reagent) <b>HM</b> (APHA for Fluoride)	<b>S-78</b>	pint quart	<b>20.00</b> <b>35.00</b>

# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
NOTE: The 0.5% Starch Indicator Solution (S-85) and the 2% Starch Indicator Solution (S-85A), are both made to Standard Methods specifications. The S-85A is then filtered to remove the undissolved starch. In all likelihood, the final starch concentration is around 1%. We are now offering you 1% Starch Indicator in addition to the 0.5% and 2%.			
<b>STARCH INDICATOR SOLUTION, 0.5%</b> (All titrations except DO)	<b>S-85</b>	500 ml	<b>9.35</b>
		liter	<b>14.05</b>
		3.8 liter	<b>42.10</b>
<b>STARCH INDICATOR SOLUTION, 1%</b>	<b>S-85F</b>	500 ml liter	<b>11.95</b> <b>18.20</b>
<b>STARCH INDICATOR SOLUTION, 2%</b> (APHA for DO)	<b>S-85A</b>	500 ml liter	<b>12.50</b> <b>29.10</b>
<b>STARCH, soluble</b>	<b>S-85B</b>	100 g	<b>54.80</b>
		500 g	<b>164.60</b>
<b>SUDAN BLACK B (IV),</b> HM 0.3% in 60% ethanol	<b>S-99X</b>	50 ml	<b>12.50</b>
<b>SULFAMIC ACID, ACS</b> HM	<b>S-88</b>	100 g	<b>41.60</b>
		500 g	<b>124.80</b>
<b>SULFANILAMIDE</b> (For Nitrite and Nitrate colorimetric procedures)	<b>S-88D</b>	100 g	<b>56.15</b>
		500 g	<b>168.45</b>



# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
<b>SULFURIC ACID, 0.02 N</b>	<b>S-94C</b>	500 ml liter 3.8 liter 20 liter	<b>9.35</b> <b>13.50</b> <b>33.30</b> <b>99.85</b>
<b>SULFURIC ACID, 0.04 N</b>	<b>S-94J</b>	3.8 liter	<b>33.30</b>
<b>SULFURIC ACID, 0.1 N</b> HM	<b>S-94</b>	500 ml liter 3.8 liter 20 liter	<b>9.35</b> <b>13.50</b> <b>33.30</b> <b>99.85</b>
<b>SULFURIC ACID, 0.2 N</b> HM	<b>S-93B</b>	liter 3.8 liter	<b>13.50</b> <b>33.30</b>
<b>SULFURIC ACID, 0.5 N</b> HM	<b>S-93</b>	500 ml liter 3.8 liter	<b>9.35</b> <b>13.50</b> <b>33.30</b>
<b>SULFURIC ACID, 0.75 N</b> HM	<b>S-92D</b>	20 liter	<b>99.85</b>
<b>SULFURIC ACID, 1.0 N</b> HM	<b>S-92</b>	500 ml liter 3.8 liter 20 liter	<b>9.35</b> <b>13.50</b> <b>33.30</b> <b>99.85</b>
<b>SULFURIC ACID, 1.54 N, PHOS-FREE</b> HM	<b>S-91HPF</b>	500 ml liter	<b>23.90</b> <b>30.75</b>
<b>SULFURIC ACID, 2.0 N</b> HM	<b>S-91</b>	3.8 liter	<b>60.85</b>
<b>SULFURIC ACID, 4 N</b> HM (Volumetric solution)	<b>S-90B</b>	3.8 liter 20 liter	<b>48.35</b> <b>145.10</b>
<b>SULFURIC ACID, 5 N</b> HM (Volumetric solution)	<b>S-90A</b>	500 ml liter 3.8 liter 20 liter	<b>11.95</b> <b>17.70</b> <b>53.55</b> <b>161.20</b>
<b>SULFURIC ACID, 5 N (Volumetric solution), PHOS-FREE</b> HM	<b>S-90APF</b>	500 ml liter 3.8 liter	<b>30.00</b> <b>42.15</b> <b>63.95</b>

# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
<b>SULFURIC ACID, 5.25 N</b> HM (Volumetric solution)	<b>S-90H</b>	500 ml liter	<b>11.95</b> <b>17.70</b>
<b>SULFURIC ACID, 6 N</b> HM (Volumetric solution)	<b>S-90G</b>	500 ml liter	<b>13.00</b> <b>19.25</b>
<b>SULFURIC ACID, 11 N</b> HM (Volumetric solution)	<b>S-90F</b>	500 ml liter	<b>21.30</b> <b>32.25</b>
<b>SULFURIC ACID, 13 N</b> HM (Volumetric solution)	<b>S-90D</b>	500 ml liter	<b>23.90</b> <b>35.90</b>
<b>SULFURIC ACID, 13 N (Volumetric solution), PHOS-FREE</b> HM	<b>S-90DPF</b>	500 ml liter 3.8 liter	<b>55.20</b> <b>72.75</b> <b>118.05</b>
<b>SULFURIC ACID, 19.2 N</b> HM (Volumetric solution)	<b>S-90K</b>	500 ml liter	<b>35.90</b> <b>53.55</b>
<b>SULFURIC ACID, 2% (v/v)</b> HM	<b>S-99C</b>	liter	<b>10.40</b>
<b>SULFURIC ACID, 5% (v/v)</b> HM	<b>S-99</b>	liter 3.8 liter	<b>10.40</b> <b>24.95</b>
<b>SULFURIC ACID, 10% (v/v)</b> HM	<b>S-98</b>	500 ml liter 3.8 liter	<b>8.30</b> <b>10.40</b> <b>24.95</b>
<b>SULFURIC ACID, 20% (v/v)</b> HM	<b>S-96B</b>	500 ml liter	<b>8.85</b> <b>13.00</b>
<b>SULFURIC ACID, 25% (v/v)</b> HM	<b>S-96A</b>	500 ml liter 3.8 liter	<b>9.35</b> <b>13.50</b> <b>30.15</b>
<b>SULFURIC ACID, 50% (v/v)</b> HM	<b>S-96</b>	500 ml liter 3.8 liter	<b>10.40</b> <b>15.60</b> <b>46.80</b>



# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
<b>SULFURIC ACID, ACS, conc.</b> HM (Approx. 96%, 36 N as H <sub>2</sub> SO <sub>4</sub> )	<b>S-89</b>	500 ml	<b>34.10</b>
		6 x 500 ml	<b>137.60</b>
		2.5 liter	<b>53.00</b>
		6 x 2.5 liter	<b>211.90</b>
<b>SULFURIC ACID, ACS, conc.</b> (In plastic-coated glass bottles) HM (Approx. 96%, 36 N as H <sub>2</sub> SO <sub>4</sub> )	<b>S-89A</b>	2.5 liter	<b>57.50</b>
		6 x 2.5 liter	<b>230.30</b>
<b>SULFURIC ACID, TRACE-PURE</b> (In plastic-coated glass bottles) HM (For metals analysis)	<b>S-89TP</b>	2.5 liter	<b>103.80</b>
		4 x 2.5 liter	<b>363.30</b>
<b>THYMOL BLUE, 0.04% Aq.</b>	<b>T-35</b>	500 ml	<b>22.90</b>
<b>THYMOLPHTHALEIN INDICATOR SOLUTION</b> HM 0.04% in 50% Alcohol	<b>T-40</b>	500 ml	<b>22.90</b>
		liter	<b>34.30</b>
		3.8 liter	<b>65.00</b>
<b>THYODENE INDICATOR</b>	<b>T-38</b>	100 g	<b>99.85</b>
<b>TISAB III</b> (APHA for Fluoride) HM (TISAB Concentrate) (Use 1 part TISAB III to 10 parts of sample or standard)	<b>F-29</b>	500 ml	<b>33.30</b>
		liter	<b>49.90</b>
		3.8 liter	<b>149.75</b>
<b>TISAB II</b> (APHA for Fluoride) (Use 1 part TISAB II to 1 part of sample or standard)	<b>F-29A</b>	liter	<b>25.00</b>
		3.8 liter	<b>55.00</b>



# CHEMICALS & REAGENTS

Reagent	NCL#	Size	Price
<b>TRIETHANOLAMINE, ACS, 85%</b>	<b>T-75</b>	pint quart	<b>41.60</b> <b>62.40</b>
<b>TRIETHANOLAMINE, ACS, 99+%</b>	<b>T-74</b>	pint quart	<b>47.85</b> <b>71.75</b>
<b>TURBIDITY STANDARDS</b>			
<b>URANINE DYE</b>	<b>U-55</b>	100 g 500 g	<b>42.30</b> <b>126.80</b>
<b>UREA, 99+%, ACS</b>	<b>U-60</b>	100 g 500 g	<b>14.55</b> <b>43.70</b>
<b>ZINC SULFATE, 10% (w/v)</b>	<b>Z-49</b>	500 ml	<b>33.30</b>
<b>ZOBELL'S SOLUTION (ORP STANDARD)</b>	<b>Z-65</b>	pint	<b>27.55</b>



# CHEMICALS & REAGENTS



## DEHYDRATED MEDIA



Reagent	NCL#	Size	Price
<b>A-1 MEDIUM</b>	<b>DF-1823</b>	500 g	<b>99.10</b>
<b>BACTO PEPTONE</b>	<b>DF-0118</b>	500 g	<b>94.05</b>
<b>BRAIN-HEART INFUSION</b>	<b>DF-0037</b>	100 g 500 g	<b>45.55</b> <b>103.20</b>
<b>BRILLIANT GREEN BILE DEHYDRATED, 2%</b>	<b>DF-0007</b>	100 g 500 g	<b>67.80</b> <b>101.00</b>
<b>EC MEDIUM</b>	<b>DF-0314</b>	100 g 500 g	<b>68.35</b> <b>121.95</b>
<b>EC MEDIUM with MUG</b>	<b>DF-0022</b>	100 g 500 g	<b>171.50</b> <b>425.30</b>
<b>LACTOSE BROTH</b>	<b>DF-0004</b>	100 g 500 g	<b>30.90</b> <b>70.15</b>
<b>LAURYL TRYPTOSE BROTH</b>	<b>DF-0241</b>	100 g 500 g	<b>67.80</b> <b>78.95</b>
<b>m-ENDO AGAR LES</b>	<b>DF-0736</b>	100 g	<b>84.80</b>
<b>m-ENDO BROTH MF</b>	<b>DF-0749</b>	100 g 500 g	<b>64.40</b> <b>128.60</b>
<b>m-FC AGAR</b>	<b>DF-0677</b>	100 g 500 g	<b>63.15</b> <b>157.75</b>
<b>m-FC BROTH BASE</b>	<b>DF-0883</b>	100 g 500 g	<b>67.80</b> <b>151.55</b>
<b>m-TEC AGAR</b>	<b>DF-0334</b>	100 g	<b>82.15</b>
<b>NUTRIENT AGAR</b>	<b>DF-0001</b>	100 g 500 g	<b>53.70</b> <b>121.55</b>

# CHEMICALS & REAGENTS



## DEHYDRATED MEDIA



Reagent	NCL#	Size	Price
<b>NUTRIENT BROTH</b>	<b>DF-0003</b>	100 g	<b>47.85</b>
		500 g	<b>108.70</b>
<b>PLATE COUNT AGAR</b>	<b>DF-0479</b>	100 g	<b>46.40</b>
		500 g	<b>86.25</b>
<b>PRESENCE-ABSENCE BROTH</b>	<b>DF-0019</b>	500 g	<b>98.00</b>
<b>R2A AGAR</b>	<b>DF-1826</b>	100 g	<b>57.15</b>
		500 g	<b>118.25</b>
<b>ROSOLIC ACID</b>	<b>DF-3228</b>	6 x 1 g	<b>80.00</b>
<b>TRYPTIC SOY AGAR</b>	<b>DF-0369</b>	100 g	<b>32.50</b>
<b>TRYPTIC SOY BROTH</b>	<b>DF-0370</b>	100 g	<b>26.05</b>
<b>TRYPTONE GLUCOSE EXTRACT AGAR</b>	<b>DF-0002</b>	500 g	<b>123.75</b>
<b>PREPARED MEDIA</b>			
<b>GRAM'S STAIN SET</b>	<b>DF-3328</b>	each	<b>49.50</b>
<b>TRYPTIC SOY BROTH, sterile</b>	<b>NCL-9063-1</b>	90 ml	<b>8.45</b>
	<b>NCL-9063-6</b>	6 x 90 ml	<b>46.10</b>
	<b>TSB-25</b>	25 ml	<b>3.50</b>
<b>STANDARD METHODS MEDIA (PLATE COUNT)</b>	<b>MP-200</b>	10 x 15 ml	<b>27.75</b>
		24 x 200 ml	<b>119.00</b>



# CHEMICALS & REAGENTS

## QA/QC STANDARDS

Laboratory QA/QC Standards are available for the following parameters:

- Ammonia nitrogen
- BOD
- CBOD
- Chloride
- Chlorine (Amperometric Method)
- Chlorine (DPD Method)
- Chlorine (ISE Method)
- COD
- Conductivity
- Fluoride
- Hardness (as CaCO<sub>3</sub>)
- Iron
- Nitrate
- Nitrite
- P-Alkalinity
- pH
- Phosphate (as P)
- TDS
- TKN
- TSS



These standards are suitable for your internal QA/QC program. They are not meant to take the place of your annual standards for certification or registration, which you must obtain from an EPA-designated source.

Standards are available for each analyte individually, so you can purchase only the ones you need. Approximate range and dilution directions are given on each vial. True values are enclosed in a separate envelope with your order, along with a postcard for you to report your results to us, if you choose to do so. Return of the postcard is entirely optional, and all results are strictly confidential. We use this data to establish acceptable ranges for future programs.

The price for these standards is \$15.00 per bottle. Those who return the postcard with their results will receive a discount of \$5.00 per bottle on their next QA/QC order.