

**ANNEX 1**  
**Chemicals and consumables for Sciences Lab**

No	Item	Qty	Specification
1	Reagent HI711-25	3	Replacement reagents for the HI711 Total Chlorine Checker (25 Tests)
2	Reagent HI713-25	3	Replacement reagents for the HI713 Phosphate Low Range (25 Tests)
3	Reagent HI708-25	3	Reagents for the HI708 Nitrite High Range Checker (25 tests)
4	Reagent HI701-25	3	Reagents for the HI701 Free Chlorine Checker (25 tests)
5	Reagent HI721-25	3	Reagents for the HI721 Iron High Range Chceke (25 tests)
6	Reagent HI775-26	3	Reagents for the HI775 Freshwater Alkalinity Checker® HC
7	AMCO-AEPA-1 Calibration solution at 0 FTU	4	HI 93703-0 Turbidity meter (LP2000) calibration 30 ml
8	AMCO-AEPA-1 Calibration solution at 10 FTU	4	HI 93703-10 Turbidity meter (LP2000) calibration 30ml
9	AMCO-AEPA-1 Calibration solution at 500 FTU	4	HI 93703-05 Turbidity meter (LP2000) calibration 30ml
10	0 Oxygen solution 500ml	2	HI 7040L Turbidity meter (LP2000) calibration 500ml
11	Electrolyte solution for polarographic DO probes	1	HI 7041S, 30ml
12	pH standard solutions, pH 4.01	1	HI 8004/1L
13	pH standard solutions, pH 7.01	1	HI 8007/1L
14	pH standard solutions, pH 10.01	1	HI 8010/1L
15	Acid anhydride	1	HI 7041S, 100ml



No	Item	Qty	Specification
16	Water quality educational test kit	3	Parameters: Acidity, alkalinity, carbon dioxide, dissolved oxygen, hardness, nitrate, phosphate, pH, EC, and TDS. Laminated field test procedures Lab activity worksheets Backpack carrying case for easy transport All required materials, such as pH tester, sample beaker, indicator and reagent bottles and packets, and glass bottle for dissolved oxygen
17	Reagent HI93728-01	1	Replacement reagent for HI83300 Reagents for the colorimetric determination of nitrate Enough reagents for 100 tests
18	Reagent HI93717-01	1	reagent for HI83300 reagents for the colorimetric determination of phosphate Enough reagents for 100 tests
19	Iron HR Reagent HI93721-01	1	Replacement reagent for HI83300 Reagents for the colorimetric determination of high range iron Enough reagents for 100 tests
20	Iron LR Reagent HI93746-01	1	Replacement reagent for HI83300 Reagents for the colorimetric determination of low range iron Enough reagents for 100 tests
21	Reagent HI93732-01	1	Reagent for HI83300 Reagents for the colorimetric determination of dissolved oxygen Enough reagents for 100 tests
22	Total hardness reagent HI93735-01	1	Reagent for HI83300 Reagents for medium range colorimetric determination of total hardness Enough reagents for 100 tests
23	Disolved oxygen reagents HI93732.03	1	Reagents for the colorimetric determination of dissolved oxygen Enough reagents for 300 tests
24	Powder pillows or accuvac	100	0.4 - 30.0 mg/L NO <sub>3</sub> <sup>-</sup> -N
25	Nitrate standard sollution 10mg/L, 500ml	1	Ion Selective Electrode (ISE) standard solutions for laboratory analyses ISE Standard Solution. Nitrate, 10.0 mg/L ±0.1 mg/L NO <sub>3</sub> -N (NIST). 500 mL bottle Traceable to NIST standard reference materials Design for use with Hach meters portfolio and other meters. Reliable packaging



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