

Water Testing

Disaster Water Care



Water Safety Kits

Microbiology & Chemical Solution

You save health and lives with safe potable water in disasters or water monitoring in rural regions.

You are

- emergency workers, task force & rescue team
- working in difficult environments

The Water Safety Kits from Lovibond® guarantee

- mobility in all situations
- potable water testing according to WHO standards
- combinations of kits for each water testing challenge
- microbiological & chemical water tests
- accurate & repeatable results
- easy handling & sterilisable equipment

Heating & Cooling

as standard in our incubator giving you the most accurate results possible in the field



Our solutions for you



Water Safety Kit Microbiology

- Testing coliforms and *E. coli* bacteria according to WHO standards
- Complete potable water quality testing equipment in conjunction with Water Safety Kit Chemical
- No further test equipment required

The equipment

- DI 20 incubator with heating & cooling function
- Filtration equipment with bailer, filter flask & vacuum pump

Total weight: 14.75 kg

Dimensions: 487 x 386 x 229 mm

Code: 56K681254



Optional: durable backpack for easy transport in difficult terrain: leaves hands free


Code: 56A014000



Water Safety Kit Microbiology Duo

Same features as the Water Safety Kit Microbiology but 2 Incubators

Additional:

 Simultaneous measurement of thermotolerant and non thermotolerant bacteria at different incubation temperatures with 2 incubators – one at 37° C and one at 44° C.

Total weight: 18.75 kg

Dimensions: 487 x 386 x 229 mm

Code: 56K681255



Water Safety Kit Chemical

- Analysis of most important chemical parameters
- Complete equipment in conjunction with Water Safety Kits Microbiology
- No further test equipment required

The equipment

- MD 600 photometer (90 more tests possible)
- TB 211 IR turbidimeter
- Pocket Tester SD 50 pH & SD 70 Con
- Reagents for ammonium, chlorine, nitrate & nitrite

Total weight: 4.5 kg

Dimensions: 411 x 322 x 168 mm

Code: 56K681253

Tests & Ranges

Analysis	Range	Measuring Instrument	No. of tests	Key Features
Water Safety Kit Chemical				
Ammonia	0.02 - 1 mg/l N	Photometer MD 600	250	Chemical Constituent Kit for potable water Contains accurate Indicative Tests
Chlorine	0 - 4 mg/l Cl	Photometer MD 600	250	
Conductivity	0.01- 20.00 mS	Pocket Tester SD 70 Con	250	
Nitrate	0.08 - 1 mg/l N	Photometer MD 600	250	
pH value	0 - 14	Pocket Tester SD 50 pH	250	
Turbidity	0.01-1100 NTU	Turbidimeter TB 211 IR	> 250	
Water Safety Kit Microbiology		DI 20 Incubator (1 Incubator)		
Coliform	>1 CFU / 100 ml	Plate Count	200	Microbiological testing in a single case Simple pictographic design of DI 20
<i>E. Coli</i>	>1 CFU / 100 ml	Plate Count	200	
Water Safety Kit Microbiology Duo		DI 20 Incubator (2 Incubators)		
Coliform	>1 CFU / 100 ml	Plate Count	200	Microbiological testing in a single case Simple pictographic design of DI 20 Allows simultaneous measurement of different bacteria species
<i>E. Coli</i>	>1 CFU / 100 ml	Plate Count	200	



durable backpack can be used for easy transport in difficult terrain

Note: Kits do not include sterilisation equipment necessary for microbiological analysis:

- Pressure cookers or portable sterilizer or access to autoclave (nearby hospital or laboratory)
- Methanol (at least 1 -2 ml per test)
- Distilled water

DI 20 Incubator

Performance directly on site with **heating & cooling** as standard

The advantages

- Easy to use: Pictograms even for non-experts
- *E. coli* and coliform bacteria measurement
- Rechargeable battery for independent power supply
- Low voltage operation with 12 V
- USB for firmware updates
- Ambient temperature 5° C - 50° C



Technical Data

Voltage input	12 V DC, 4 Amps
Power leads	UK, EU, USA Battery
Ambient temperature	5° C - 50° C
Incubation temperature	20° C - 47° C
Temperature resolution	0.1° C
Temperature accuracy	+/- 0.5° C
Dimensions	116 x 165 x 116 mm
Weight	approx. 600 g
Time to reach temperature	30 min. max

Accessoires

Code	Item
197139	Petri Dish Holder
400855	Petri Dishes, 10 pc.
19803550	Power Pack, 12 V, 48 W
136300	Power Cable Set
190630	USB Cable
192340	Lead Acid Battery
197259	Battery Cable

Code: 56B000714

(DI 20, power leads, 50 petri dishes, power supply)

Incubator also available separately

Optional

Accessories / Replacements	Quantity	Code:	Quantity	Code:
Nitrate Test Powder	15 g	465230	Media pads & dispenser	200 pc 56A016330
Nitrate Test Tablet	250 pc	502810	Petri dishes	50 pc 400855
Free & Total Chlorine (DPD No.1) Tablet	250 pc	511051BT	Membrane lauryl sulphate broth	40 g 56P069740
Free & Total Chlorine (DPD No.3) Tablet	250 pc	511081BT	Filters	600 pc 56A023800
Phenol Red	250 pc	511771 BT	KS3 - pH 10 Buffer Solution	65 ml 56L000365
Nitite LR Tablet	250 pc	512311BT	KS6 - pH 4 Buffer Solution	65 ml 56L000665
Ammonium NR.1 Tablet	250 pc	512581BT	KS9 - pH 7 Buffer Solution	65 ml 56L000965
Ammonium NR.2 Tablet	250 pc	512591BT	1413 µS Standard Conductivity Solution	65 ml 56L001665



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Also available Kit:

Water Safety Kit Basic

Code: 56K681250