

AquaSafe[®]

WSL25

Water Safety Laboratory Instruction Manual

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Section 1: Introduction

The AquaSafe WSL25 is a fully portable field laboratory for the detection of microbiological and physicochemical water quality parameters.

The laboratory is housed in a waterproof carry case and comprises the following:

- Integrated single chamber digital incubator complete with all accessories and consumables for carrying out 300 tests for Faecal and Total Coliforms.
- Block Tester complete with consumables for 300 tests of Free & Total Chlorine and pH.
- Turbidity Tube for turbidity testing in the range 5 to 1000NTU.



Section 2: Kit Contents



Main Case Components

Item	Qty	Description
1	1	2 Part Jackson Turbidity Tube 5-1000NTU
2	1	PetriLok® Cassette with cap and 25 Aluminium Petri Dishes
3	1	AquaSafe Single Incubator
4	1	5 metre Sampling Cable with Carabiner
5	1	12V 4A Lead Acid Charger/Power Supply
6	1	Multi-Purpose Screwdriver
7	1	Digital Thermometer
8	1	Pen
9	1	IEC Mains Cable – UK
10	1	UK to EU Adapter
11	1	Vehicle Charging Cable
12	1	Silicone grease
13	1	Calibration Pack
14	1	Test Tube Brush
15	1	Crushing rod
16	6	Membrane Lauryl Sulphate Broth Sachet

Tray Components

Item	Qty	Description
A	4	Sterilised water for Membrane Lauryl Sulphate Broth preparation
B	1	5ml Sterile syringe
C	1	30ml Dropper Bottle for Methanol
D	1	Membrane Filtration Unit including, waste beaker, sample beaker, measuring funnel, sintered glass disk & 1 silicone gasket
E	2	Sterile Absorbent Pads (100 Pack)
F	1	Pad Dispenser
G	1	Vacuum Tube
H	1	Eyeglass
J	1	Forceps
K	1	Vacuum Pump
L	1	Pool Tester

Separate Box

Qty	Description
3	Sterile Membrane Filters (100 Pack)
1	Sterile Absorbent Pads (100 Pack)
3	DPD1 Pool Tester tablets (100 Pack)
3	DPD3 Pool Tester tablets (100 Pack)
3	Phenol Red Pool Tester tablets (100 Pack)
4	Sample collection bottle
4	Whirl-Pak Thio sterilised sampling bags
1	Drawstring bag/backpack
2	Sterilised Water for Membrane Lauryl Sulfate Broth Preparation



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