AQUASAFE®
WSL50 & 20

Portable Economy laboratories

The Aquasafe® WSL50 is a simple emergency response kit able to test for the basic water testing parameters set out by the World Health Organisation (WHO), namely pH, free chlorine, total chlorine, turbidity, temperature and faecal coilforms. The internal space of the kit is perfectly engineered to ensure that each componet has a set location. This makes deployment and pack up quick and simple while saving time for important testing activity.

The Aquasafe® WSL20 is the perfect solution for testing drinking water quality in an emergency response scenario. It's low cost, lightweight and simple testing methods ensure understanding of a water quality situation fast. It is supplied complete with reagents for 300 tests for residual and combined chlorine, pH and thermotolerant/total coilforms.

SPECIALIST MANUFACTURERS OF ENVIRONMENTAL ANALYSIS AND MONITORING EQUIPMENT

BENEFITS

- A multiple handle system gives portable flexibility, including a retractable handle with wheels to reduce fatigue

- The WSL50's powerful dual incubator and WSL20's slimline single incubator docking stations gives flexibility to switch between in-case or on bench use

- Process samples while transporting and carrying the portable laboratories with the upright incubator format. Samples remain in the correct orientation even when being carried

- Up to 24 hour countdown timer that pauses in the event of power failure, ensuring no false negative microbiological results

- The WSL20's small lightweight case gives an easy portable solution, even for just one user

- The WSL20 comes with a strong comfortable shoulder strap which ensures reduced user fatigue when carried in the field

- PetriLok® petridish carriage system stops incubator contamination from the user's hands and ensures stability of dishes in transit, avoiding media spillage

- Save time with fast and easy calibration in the field

- Never run out of reagents again. In-built removable accessories trays makes identifying consumable and reagent stock levels simple and avoids the possibility of damage or breakage during transport

- The high performance battery pack built into the cases is hidden from potential theft behind a locked hinged panel while being easily accessible using the simple tool provided in the kits

- IP68 waterproof buoyant cases provents loss if dropped in water

- Save valuable time with the easy to use digital independently controlled incubator chambers

IN YOUR KIT

IN YOUR KIT	WSL50	QTY	WSL20	QTY
Single silver IP68 waterproof wheeled case with multiple handle options and incubator docking station	✓	1		
Single black lightweight IP68 waterproof case with top handle, incubator docking station and shoulder strap			✓	1
Aquasafe double incubator	✓	1		
Aquasafe single incubator			✓	1
Petrilock cassette with cap	✓	2	✓	1
Sterilisable work surface	✓	1		
Accessories tray	✓	1	✓	1
Aluminium petri dishes	✓	50	✓	25
5m sampling cable with carabiner	✓	1	✓	1
Membrane Lauryl sulfate broth sachet	✓	6	✓	6
Multi-purpose screwdriver	✓	1	✓	1
Digital thermometer	✓	1	✓	1
Calibration block	✓	1	✓	1
Silicone grease	✓	1	✓	1
Sterilised water for MSLB preparation	✓	6	✓	6
Sample collection bottles with dechlorination tablets	✓	4	✓	4
5ml sterile syringe	✓	1	✓	1
30ml dropper bottle for methanol	✓	1	✓	1
Membrane filtration unit	✓	1	✓	1
Sterile membrane filters (pk100)	✓	3	✓	3
Vacuum pump	✓	1	✓	1
Vacuum tubing (30cm)	✓	1	✓	1
Forceps	✓	1	✓	1
Eyeglass	✓	1	✓	1
Pad dispenser	✓	1	✓	1
Sterile absorbent pads (pk100)	✓	3	✓	3
Pool tester	✓	1	✓	1
HP1 Phenol Red Rapid tablets (pk100)	✓	3	✓	3
HP2 Rapid DPD1 Rapid tablets (pk100)	✓	3	✓	3
HP3 Rapid DPD3 Rapid tablets (pk100)	✓	3	✓	3
Turbidity tube	✓	1	✓	1
NPR12 black box	✓	2		
Red/Black plastic case (large)	✓	1		
12V 4A lead-acid charger/power supply	✓	1	✓	1
IEC mains cable- UK type G	✓	1	✓	1
UK type G to EU type F adapter	✓	1	✓	1
Vehicle charging cable	✓	1	✓	1

DESCRIPTION	PACK SIZE	PART NUMBER
Aquasafe® WSL50	Unit	WSL50
Aquasafe® WSL20	Unit	WSL20

TECHNICAL SPECIFICATIONS

	WSL50	WSL20
Dimensions (mm)	◎ 500 x 305 x 457	◎ 430 x 290 x 280
Weight	◎ 20kg	◎ 12kg
Approvals	◎ CE Conformity, IP68	
Country of origin	◎ United Kingdom	
Digital incubator test programs	◎ 37°C ◎ 44°C ◎ User defined (20°C to 50°C) ◎ Calibration	
Timer	◎ Adjustable 24 hour countdown timer	
No. incubation chambers	◎ 2	◎ 1
Maximum petridish capacity	◎ 50 (25 per incubator chamber)	◎ 25
Incubator temperature range	◎ 20°C to 50°C	
Incubator temperature resolution	◎ 0.1°C	
Incubator temperature stability	◎ +/- 0.1°C	
Recommended storage temperature	◎ 0°C to 70°C	
Optimum operating temperature	◎ 0°C to 40°C	
Under interface	◎ LCD Display ◎ Tactile soft keys ◎ Audible alerts	
Power supply	◎ 12-24 V DC ◎ Removeable lead acid power pack ◎ (Rechargeable)	

Power consumption	◎ 37°C Cycle at 20°C ambient
	  ◎ Max Power 16.1W
	  ◎ Average power 6W
		◎ 37°C Cycle at 20°C ambient
		  ◎ Max Power 8.1W
		  ◎ Average power 3W

Test parameters included (with reagent)	◎ Chlorine (residual) ◎ Chlorine (combined) ◎ Coliform (TTC or TC) ◎ Turbidity	
Total test parameters possible (with additional reagent or accessories)	◎ Over 50	
Photometric testing	◎ Via sturdy comparator block with colour wheels	