



# AQUASAFE® MSL50 & 25

## Portable Microbiological laboratories

The Aquasafe® MSL50 is a dedicated microbiological kit allowing easy and portable incubation of your samples through dual incubator unit. Two efficient independently controlled chambers allow discrete testing of two organisms, for example faecal (thermotolerant) and total coliforms, simultaneously. While coming in a single IP68 waterproof wheeled case allowing easy mobility and protection.

The Aquasafe® MSL25 is a more compact yet rugged simple kit also dedicated to microbiological testing. The MSL25 includes a single chamber incubator that is dockable in a small case, along with all the necessary accessories and consumables, using a specially designed storage tray.



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 MSL50's powerful dual incubator and MSL25'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 MSL25's small lightweight case gives an easy portable solution, even for just one user
- ⦿ The MSL25 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 prevents loss if dropped in water
- ⦿ Save valuable time with the easy to use digital independently controlled incubator chambers



## IN YOUR KIT

IN YOUR KIT	MSL50	QTY	MSL25	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 MLSB 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
Red/Black plastic accessories 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® MSL50	Unit	MSL50
Aquasafe® MSL25	Uni	MSL25
REPLACEMENT CONSUMABLES AND REAGENTS		
Microbiological consumables pack (membranes, pads and media)	300 tests	ASMIC300W
Membrane and Pad combipack	300 tests	ASPAME300
Membrane Lauryl Sulfate Broth (MLSB) ready to mix sachets	300 tests	ASBRO300W
Ammonia Reagent (tablets) 0.02–1mg/l	300 tests	HTNH3100/3
Arsenic Test Pack (Mercuric Bromide method) 5-300ppb	300 tests	ASAS300E
Chlorine Combipack (Residual DPD1 and Combined DPD3) 0.01-6mg/L	300 tests	HTCL2100/3
Nitrate Reagent (tablets and powder) 0.08-1mg/L	300 tests	HTNO3100/3
Nitrite Reagent (tablets) 0.01-0.5mg/L	300 tests	HTNO2100/3
Calibration buffers for pH (set of 3 – 4.01/7.00/10.01)	60ml each	HCPHC60
Calibration buffers for EC (set of 3 – 84µS/1413µS/12880µS)	60ml each	HCECC60

# TECHNICAL SPECIFICATIONS

	MSL50	MSL25
<b>Dimensions (mm)</b>	⊙ 500 x 305 x 457	⊙ 430 x 290 x 280
<b>Weight</b>	⊙ 20kg	⊙ 12kg
<b>Approvals</b>	⊙ CE Conformity, IP68	
<b>Country of origin</b>	⊙ United Kingdom	
<b>Digital incubator test programs</b>	⊙ 37°C ⊙ 44°C ⊙ User defined (20°C to 50°C) ⊙ Calibration	
<b>Timer</b>	⊙ Adjustable 24 hour countdown timer	
<b>No. incubation chambers</b>	⊙ 2	⊙ 1
<b>Maximum petridish capacity</b>	⊙ 50 (25 per incubator chamber)	⊙ 25
<b>Incubator temperature range</b>	⊙ 20°C to 50°C	
<b>Incubator temperature resolution</b>	⊙ 0.1°C	
<b>Incubator temperature stability</b>	⊙ +/- 0.1°C	
<b>Recommended storage temperature</b>	⊙ 0°C to 70°C	
<b>Optimum operating temperature</b>	⊙ 0°C to 40°C	
<b>User interface</b>	⊙ LCD Display ⊙ Tactile soft keys ⊙ Audible alerts	
<b>Power supply</b>	⊙ 12-24 V DC ⊙ Removeable lead acid power pack ⊙ (Rechargeable)	
<b>Power consumption</b>	⊙ 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
<b>Test parameters included (with reagent)</b>	⊙ Coliform (TTC or TC)	
<b>Total test parameters possible (with additional reagent or accessories)</b>	⊙ Over 50	
<b>Photometric testing</b>	⊙ Via sturdy comparator block with colour wheels	
<b>Manufacturer's warranty</b>	⊙ Standard 1 year from purchase	

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