



CATALOGUE

LAB AUTOMATION





TABLE OF CONTENTS

AUTOMATED MEDIA PREPARATION

MEDIAWEL.....	P3 / 4 / 5
DISTRIWEL	P6 / 7
DOSYWEL	P8 / 9



FOOD SAMPLE PREPARATION

DILUWEL	P10 / 11 / 12
MIXWEL.....	P13 / 14



AIR SAMPLE COLLECTION

AIRWEL.....	P15 / 16
-------------	----------





MEDIAWEL30®

**Increase your
productivity
quality
traceability**

PERFORMANCES



2.5 to 30 Liters



30 – 125 °C
± 1°C



50 – 90 mins

Safety lid
(locked above 80°C)



Uphill & downhill
Filtration
Contamination prevention

Double pressure monitoring



Large stirrer
(wide viscosity range)

Medical wheels



WIFI live
communication



Multicolour visual alarms

7" touch screen LCD
Intuitive display



Anti-shock body
(ABS PC PLASTICS)

Trapdoor
(easy cleaning of the bowl)

CONNECTED
MICROBIOLOGY





MEDIAWEL30®

Increase your
productivity
quality
traceability

**ALLIANCE BIO EXPERTISE
WIDE RANGE OF MEDIA**



Ask for the list!

www.alliance-bio-expertise.com

CONNECTED
MICROBIOLOGY

SIMPLIFY



**ALL IN ONE
MEDIA PREPARATION**

QUALITY MEDIA

- Controlled temperature = perfect sterility – Perfect Fertility
→ T° precision: $\pm 1^{\circ}\text{C}$
- Continuous homogenization
- Large smooth stirrer (1807 cm²) for higher homogeneity. Slow stirring (9 adjustable speeds 20 – 110 rpm) to avoid bubbling
- Less handling = less contamination

TIME SAVING

Before ⌚⌚⌚

With MEDIAWEL ⌚

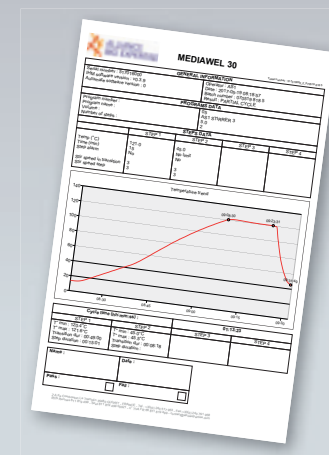


TRACEABILITY



Temperature monitoring
Up to 3 points

eTRACE®





SPECIFICATIONS

MEDIAWEL30®

STANDARD FEATURES

Media preparation capacity	From 2.5L to 30L
Sterilization temperature	95°C to 125°C
Sterilization time	1 to 99min
Distribution temperature	30°C to 80°C
Temperature precision	± 1°C
Remaining volume	< 130ml
Addition cap	Yes. For blood and antibiotics addition
Country of origin	France
Traceability (optional)	Incorporated E-TRACE module (4 USB ports / 1 Ethernet port / WIFI)
Temperature probing	2 x PT100 probes
Pressure monitoring	2 monitors
Safety pressure release	Safety valve
Dispensing port	Adapters for 12mm and 6.4mm dispensing tubing
Continuous homogenization	Large smooth stirrer (1807 cm²) for higher homogeneity. Slow stirring (9 adjustable speeds 20 – 110 rpm) to avoid bubbling
Display	7" touch screen LCD 800x420 pixels
Alarms	Visual (multicolour) & audible
Cleaning	Trapdoor, easy cleaning of the bowl
High mobility / stability	4 large medical wheels
Robustness	Antishock body (ABS PC PLASTICS)
Stainless steel inner vessel	AISI 316
Stored programs	50
Control panel	LCD Touch screen
Traceability	CSV file through USB port

DIMENSIONS & ELECTRICAL SUPPLY

W x H x D	585 x 1053 x 735 mm
Electrical supply	400V - 50-60Hz -16A or 230V – 50-60Hz – 22A (by phase)
Heating power	9000 W



DISTRIWEL 440®

*Increase your
productivity
quality
traceability*

PERFORMANCES



440 plates
poured
in 30 mins

Walkaway device!

Up to 440 dishes
filled in 30 mins



0°



Ensure a flat poured media
(bubble level integrated)

7" touch screen LCD
Intuitive display

Traceability
Print up to 25 characters
(2 lines) on the Petri dish
(optional laser printer)



The Built-in Peltier cooling
effect reduces condensation
and solidification time

AEROBIOCONTAMINATION PREVENTION

Contamination prevention
(UV lamp) while pouring
+ Plexiglas protection cover

In-line blood
addition option

Multicolour
visual alarms

Your culture media is accurately
poured by a Masterflex™
peristaltic pump

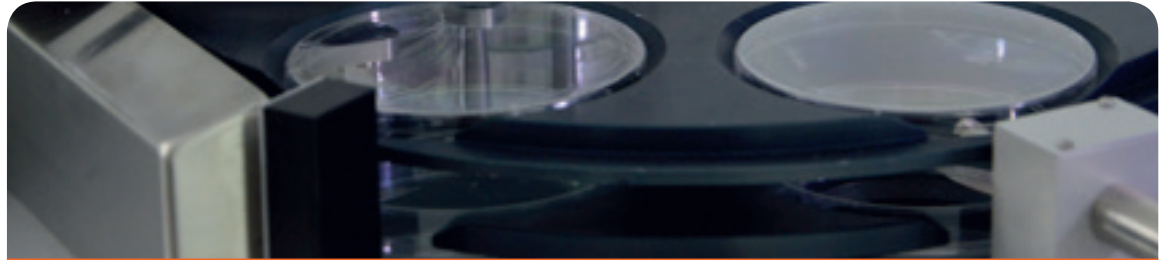
CONNECTED
MICROBIOLOGY





SPECIFICATIONS

DISTRIWEL 440®



DISTRIWEL FEATURES

Dishes/hour for 90mm	Up to 750
Capacity of the carousel	440 dishes
Fast plate cooling	Built-in Peltier effect
Contamination prevention	Built-in UV lamp
Pour plates function	✓
Pouring accuracy	±1%
Pouring range	1 – 99 ml
Stack plates function	✓
Peristaltic pump	Integrated Masterflex pump
Stored programs	40
Control panel	LCD Touch screen
Country of origin	100% France
Traceability (optional)	Laser printer (LINX CJ400) → Printed Petri dishes
Footswitch (for manual dispensing)	✓ (optional)

DIMENSIONS & ELECTRICAL SUPPLY

W x H x D	808 x 940 x 689 mm
Electrical supply	100-250v 50-60 Hz 10 A
Power supply	150 W

**PACK YOUR
READY
TO USE DISHES !**



ORDER IT TOGETHER WITH DISTRIWEL 440 : Ref. MINIMA



DOSYWEL®

**Increase your
productivity
quality
traceability**

PERFORMANCES



Fast:

9 ml → 1 second
18 ml → 3 seconds
225 ml → 10 seconds



Accurate:

± 0.6 ml
(w / tubing Ø 6.4 mm)
± 0.4 ml
(w / tubing Ø 4.8 mm)
± 0.2 ml
(w / tubing Ø 3.2 mm)



- Up to 20 programs
- Editable:
 - ◆ Volume (1 to 9999ml)
 - ◆ Number of doses (1 to 999)
 - ◆ Time for interval (0.1 to 60.0 seconds)
 - ◆ Pump' speed (1 to 130% = 10 to 550 rpm)
 - ◆ Diluent (batch, name, volume)
 - ◆ Calibration mode (calibration starting the program, reminder each x sample).



Compact & light: 3.8kg
Easy transportable



QUICK & EASY CALIBRATION

Few steps and the calibration is done.

Calibration reminder: The DOSYWEL can also remind you every x sample, to perform a calibration

AVAILABLE OPTIONS :

- Footswitch

CONNECTED
MICROBIOLOGY



SPECIFICATIONS

DOSYWEL®



PERFORMANCES

Distribution volume	0.1 to 9999.9 ml
Pause time	1 – 99 seconds
Adjustable speed	1 – 130% 10 – 550 rpm
Connectivity	USB ports (Ticket printer, Footswitch, Keyboard, USB data export)
Communication	USB port. Ethernet
Internal tube dimensions	0.8 / 1.6 / 3.2 (standard) / 4.8 / 6.4 / 8.0 mm
Country of origin	100% France
Programs	20
Rotation way	Left or right
Foot switch	✓ (optional)

DIMENSIONS & ELECTRICAL SUPPLY

W x H x D	190 x 210 x 250 mm
Electrical supply	100-250v 50-60 Hz 10 A
Power supply	150 W

TRACEABILITY

Ticket printer	✓ (optional)
USB export	✓ (optional)



DILUWEL®

**Increase your
productivity
quality
traceability**

PERFORMANCES



Weighing :
1 g to 4000 g



225ml distribution :
- 12 seconds
- 9 seconds (turbo)



> 98 %

DILUWEL®



Finger-stop nozzle
Avoids cross contamination
during installation



Fast & accurate!
225ml dispensed
in 12 seconds (9 in turbo)
with >98-99% accuracy !



Safety cabinet use



PATENTED vertical weighing tray
(3 points for higher stability and
higher weighing accuracy)

Removable 1 to 4 pumps
Plug & play - Flexible
Free positioning = save space



Compact and light
8 kg
50% more compact
than competition models!



0°
Built-in bubble level
and adjustable legs



OPEN GATE TO ALL CONNECTIONS



«LABPAGE»
Full LIVE data tracing



Watertight to spills
Perfect cleanability

CONNECTED
MICROBIOLOGY





FOOD SAMPLE PREPARATION BY A.B.E

DESIGNED FOR COSMETICS USE



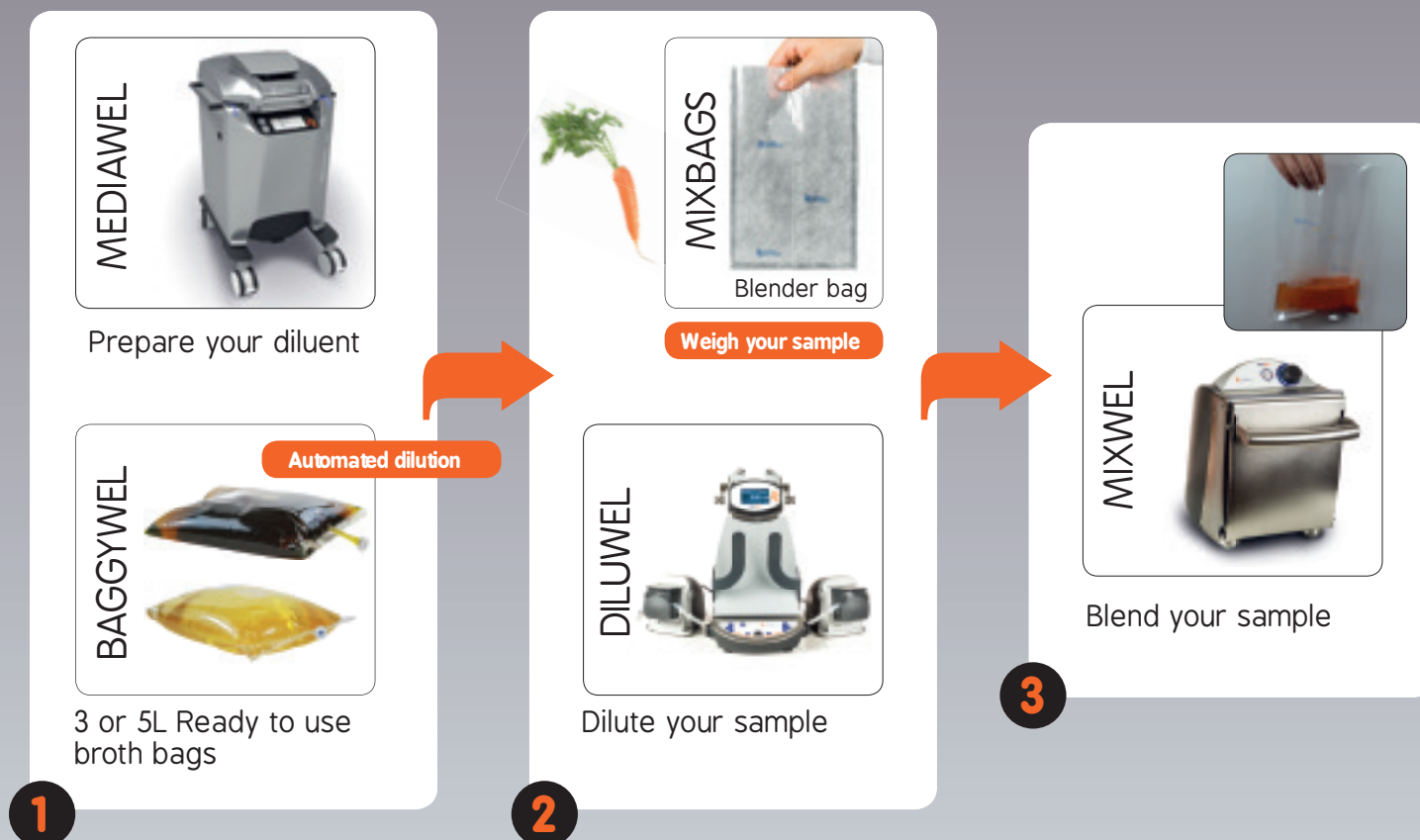
Designed for min 1g
weighing

Biosafety cabinet use

Bottle holder with
adaptable height



FOOD SAMPLE PREPARATION BY A.B.E



WHY WORK WITH AN AUTOMATED DILUTER?

All in one	→	Weighing + Dispensing + automated traceability. ALL AT ONCE !
Fast & Accurate	→	9 (turbo mode) to 12 seconds with >98-99% accuracy !
Repeatability	→	No random results
Effortless	→	Fully automated
Traceability	→	Full traced data (exportable to PC, EXCEL, LIMS, Printer, USB)
Risk reduction	→	Less manipulations



SPECIFICATIONS

DILUWEL®



PERFORMANCES

Fast & accurate dispensing	12 sec. for 225ml / (9 sec in turbo mode)
Dilution accuracy	> 98%
Turbo mode	✓
Bubble level integrated	✓
Motorized dispensing nozzle	✓
Editable programs	19
Weighing range:	1 g to 4000 g
Dilution factor	1.00 to 1/100.00
Anticipation mode	✓
Total dosage mode	✓

BENEFITS

Stainless steel bag holder – extended lifetime	✓
Watertight base – easy to clean	✓
Motorized dispensing nozzle	✓
19 editable programs	✓
Data management (diluent, users)	✓
2 USB port: 1 for upgrades / 1 for communication module	✓
"Fingerstop" large dispensing nozzle	✓
Plug and play removable pumps	✓
Interactive display (color codes)	✓

DIMENSIONS & ELECTRICAL SUPPLY

Compacity W x D x H	250 x 275 x 400 mm
Weight	8 kg
Electrical supply / Power	230 V – 50Hz / 120W



MIXWEL®

Increase your
productivity
quality
traceability

PERFORMANCES



Silent <48db



28 to 70 kg
pressure
er paddle



PATENTED pendular blending
Delivers up to
70 kg pressure /paddle.
Optimum homogenization !

Extreme Compactness

The most compact blender
on the market (30 dm3)

Space optimization of your bench

Easily transportable

Comfort of cleanability

Quick removal of the door

Removable paddles

Waste tank integrated
into the door



Stainless
steel chamber (AISI 304)



**Lightest of
the market !**
14 kg

VIBRATION FREE
Extreme stability
while blending

CONNECTED
MICROBIOLOGY





SPECIFICATIONS

MIXWEL®



SPECIFICATIONS

Pendular blending power	Up to 70 kg /paddle
Capacity	50 mL to 400 mL
Noise level	< 48 dbA
Speed	380 rpm

ADVANTAGES

Vibration free	✓
Removable paddles	✓
Stainless steel paddles	✓
Adjustable paddles to the matrix	3 positions
Waste tank integrated	✓

DIMENSIONS & ELECTRICAL SUPPLY

Compacity W x D x H	220 x 410 x 340 mm
Weight	14 kg
Electrical supply	230 V – 50 Hz
Power	90 W

THEY HAVE ADOPTED IT

"I didn't know we could blend much harder in a smooth way" ... "We blend young elastic cheese ... and the result is perfect, similar to milk aspect with no solids at all."

Lab user, INRA STLO RENNES

"As the microorganisms' extraction is much better with the MIXWEL, we have been able to reduce the blending time" ... "never drilled a bag" ... "a quiet blender, small, with no vibrations"

Mrs Ali Mandjee, RAEMA / ASA PARIS Region



AIRWEL®

*Increase your
productivity
quality
traceability*

ADAPTABLE TO YOUR NEEDS

PETRI DISH:
90 mm
55 mm

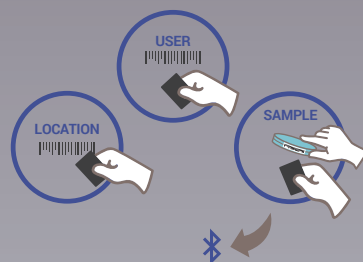
AIRFLOW:
100L / min
200L / min

SPECIFIC OPTION

COMPRESSED
GAS SYSTEM
for Controlled Environment

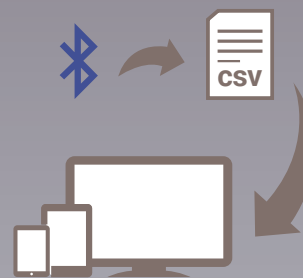
FULL TRACEABILITY

GMP / GLP – 21 CFR PART 11



IMPORT DATA

Bluetooth bar code scan



EXPORT DATA

EXCLUSIVE OPTION

IN SITU AIRFLOW CHECK

Check your airflow
whenever you like!

Don't wait the 1 year
calibration services to check

Avoid wrong collection due
to wrong airflow!!

SAFETY MANAGEMENT

Cascade password

3 level:

Operator – Manager – Service



FULLY HERMETIC

ip65 dust and water protection

WIRELESS BATTERY CHARGER

ANTIBACTERIAL PAINT

SERVICES

MANUFACTURER or DEALER **CALIBRATION**
QUALIFICATION: **IQ/OQ** protocol

CONNECTED
MICROBIOLOGY





SPECIFICATIONS

AIRWEL®



COMPLIANCE	AIRWEL	AIRWEL+
IP65		✓
ISO14698 / ISO17025	✓	✓
USP797 / USP116	✓	✓
EU GMP / GLP	✓	✓
21 CFR PART 11	✓	✓
TRACEABILITY		
Bluetooth module	✓	✓
PC software for data management	✓	✓
Android App (PC / Smartphone / tablet)	✓	✓
CALIBRATION		
IN SITU AIRFLOW CHECK (Option)		✓
A.B.E or dealer calibration	✓	✓
BENEFITS		
Cascade password		✓
Wireless Induction charger		✓
Battery autonomy	More than 10 hours	
Type of dishes	90 mm or 55 mm	
Type of heads	Stainless steel or Disposable polyester	
Airflow	100L or 200L / min	
Transport case	Light	Rigid
Multi-mode aspirating cycles	Uninterrupted	Fragmented
Antigerm paint	✓	✓
DIMENSIONS		
W x H x D	130 x 330 x 150 mm	
Weight	1.6 kg	
Power supply / Electric power	120-230 V – 50-60HZ / 120W	
Made in EU	✓	✓

notes

[illegible]



ALLIANCE BIO EXPERTISE



Empowered from our people's skills and experiences, we, ALLIANCE BIO EXPERTISE, together with our customers and partners decided to manufacture Microbiology automated equipment around essential values:
Customer Focus, Service, Loyalty, Innovations

**Ask your local partner
for a personal demonstration!**

ZI de courbouton , Le Tremplin – 35480 GUIPRY - FRANCE
E-mail : contact@abioexpertise.com
Phone : +33(0)2.40.51.79.53
alliance-bio-expertise.com