

## DISCOVER THE MICROBIOLOGY AUTOMATION

*Food Sample Preparation*



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# FOOD SAMPLE PREPARATION



# LARGE VOLUME GRAVIMETRIC DILUTOR

Combine speed and comfort !

# DILUWEL XL®

Dilution time :

- 36 seconds for 3750g
- 12 seconds for 1250g
- 8 seconds for 250g
- 7 seconds for 100g



New record !



Motorised arm

Avoid cross contamination

7" tactile tablet

Gloves friendly



Colored display tower

Adjustable height according to bags



Precision balance

From 1 to 5kg



Remote pump

Optimize your workflow



Available in portrait mode



Waterproof ambidextrous control panel

Industrial quality

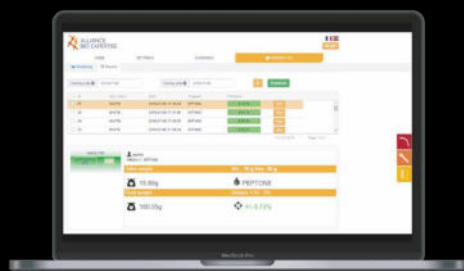


# DILUWEL XL®

Integrated eTRACE® Technology



**LABPAGE®** Your analysis traceability from your PC



Optimal compatibility with the media preparators **MEDIAWEL®**



**Be 30% quicker !**



## TECHNICAL SPECIFICATIONS

Quick and precision distribution	<b>37 sec</b> for 3750g / <b>12 sec</b> for 1250g / <b>8 sec</b> for 250g / <b>7 sec</b> for 100g
Precision	> 99%
Integrated bubble level	✓
Motorized dispensing head	✓
Programs	Unlimited
Users	Unlimited
Diluants	Unlimited
Weighing range	From 0,01 to 5000g
Dilution factor	From 1,00 to 1/100,00
Dose program	✓
Powder program	✓
Pre-weighing program	✓
Waterproof device - easy to clean	✓
4 USB ports - RJ45	✓
Remote pumps	✓
Tactile tablet 7"	✓
Interactive upper display (color codes)	✓
Portrait compacity (L x P x H)	220 x 550 x 440 mm
Landscape compacity (L x P x H)	420 x 400 x 440 mm
Weight	Pump : <b>8kg</b> / Balance : <b>7kg</b> / Distribution head : <b>4kg</b> / Tablet : <b>1kg</b>
Power supply	230V or 120V / 50 – 60 Hz
Warranty	1 year
Country of origin	France

# GRAVIMETRIC DILUTER

Combine speed & accuracy

# DILUWEL®

## Fingerstop™ nozzle

Limited cross contamination while nozzle handling



Compact and light!



8kg and 50% more compact than its competitors

Ideal under biosafety cabinet

## Intuitive COLOR CODE

Make sure that your dilutions are conform :



Set the intervals of your initial and final weights, upon your requirements\*



PATENTED vertical weighing tray  
>99% accuracy

3 points for higher stability and accuracy

Separated "plug and play" pumps (up to 4)



Less vibrations = higher accuracy  
= faster dispensing

Dispensing for 225ml

- 12 seconds
- 9 seconds (turbo)

Perfect cleaning

Stainless steel base and bag holder



LET'S GO FOR A DILUTER THAT RESPECTS THE 2% ACCURACY (ISO 6887-1 : 2017)



Integrated bubble level  
With adjustable feet



\* Following ISO6887-1 : 2017, ± 5% of the initial weight / ± 2% of the final weight.

**Delivered with the DILUWEL :** User Manual, power chord, Dilupump (DILW2001), complete tubing set 6.4mm without priming nozzle (DILW2002), Patowel + long life non-sticky pads x6 (DILW3010), Bag Holder 400 (DILW2015), Quality Control Certificate / Metrology report, a pack of MIXBAGS blender bags.

# DILUWEL®

**Additional pumps (ref: DILW2001) :**



**Plug and play pumps. Add up to 4 !**

**Diluboard (ref: DILW2022) :**



**Metrology platform with A.B.C positions**

## TECHNICAL DATA SHEET

Fast & accurate dispensing	12 sec. for 225ml / (9 sec in turbo mode)
Dilution accuracy	>99%
Turbo mode	✓
Integrated bubble level	✓
Motorized dispensing nozzle	✓
Editable programs	20
Weighing range	0.1g to 4000g
Dilution factor	1.00 to 1/100.00
Dispensing modes	Dilution / Dosage
Stainless steel bag holder – extended lifetime	✓
Watertight base – easy to clean	✓
2 USB ports – 1 for upgrades / 1 for Etrace connections	✓
Plug and play removable pumps	4
Interactive display (color codes)	✓
Compacity (D x W x H)	275 x 250 x 400 mm
Weight	8 kg
Electricity supply / Power	100 - 240 V / 50 - 60 Hz / 120W
Warranty	1 year
Country of origin	France - European Union



**DILUWEL**EDGE®  
**Gravimetric dilutor** for cosmetics

# OPTIONS - DILUWEL®





# READY TO USE BROTH

The chef's suggestions !

# BAGGYWEL®

## PRODUCT CODE AND DESCRIPTION

BGWR3001	BUFFERED PEPTONE WATER	2 x 5 L
BGWR3002	BUFFERED PEPTONE WATER	3 x 3 L
BGWR3005	HALF FRASER	2 x 5 L
BGWR3006	HALF FRASER	3 x 3 L
BGWR3009	MAC CONKEY	2 x 5 L
BGWR3010	MAC CONKEY	3 x 3 L
BGWR3011	EUGON LT 100	2 x 5 L
BGWR3012	EUGON LT 100	3 x 3 L
BGWR3013	PHOSPHATE BUTTER (BUTTERFIELD)	2 x 5 L
BGWR3014	PHOSPHATE BUTTER (BUTTERFIELD)	3 x 3 L
BGWR3015	HALF FRASER (without ferric ammonium citrate)	2 x 5 L
BGWR3016	HALF FRASER (without ferric ammonium citrate)	3 x 3 L
BGWR3017	TRYPTIC SOY BROTH	2 x 5 L
BGWR3018	TRYPTIC SOY BROTH	3 x 3 L
BGWR3019	PEPTONE WATER (0.1% PEPTONE)	2 x 5 L
BGWR3020	PEPTONE WATER (0.1% PEPTONE)	3 x 3 L
BGWR3025	SODIUM CITRATE	2 x 5 L
BGWR3026	SODIUM CITRATE	3 x 3 L
BGWR3029	DOUBLE BUFFERED PEPTONE WATER	2 x 5 L
BGWR3031	LISTERIA ENRICHMENT BROTH (UVM I)	3 x 3 L



# LABORATORY BLENDER

Handy and efficient

# MIXWEL®



**Silent and vibration free**

<48 db



**Extreme compactness**

Space optimization of your bench



**Pendular system**

Patented pendular blending delivers up to 70 kg pressure/paddle



**Adapted to your matrix**



**Compact and light**



Lightest of the market !  
Easy to move

**14 kg**



**Easy to clean**

Quick removal of the door  
Removable paddles  
Waste tank integrated into the door



Delivered with the MIXWEL : User Manual, power chord, a pack of MIXBAGS blender bags

TECHNICAL DATA SHEET	MIXWEL	MIXWEL+
Pendular blending power	Up to 70 kg / paddle	
Capacity	50 mL to 400 mL	
Noise level	< 48 db	
Progressive blending adapted to the matrix		✓
Adjustable speed		✓
Low vibrations	✓	✓
Removable door / paddles	✓	✓
Stainless steel paddles	✓	✓
Adjustable paddles to the matrix	3 positions	
Waste tank integrated	✓	✓
Compacity (WxDxH)	220x410x340mm	
Weight	14kg	
Power supply	100-240V / 50-60 Hz 120W	
Warranty	1 year	
Country of origin	France - European Union	

MIXWEL®

Bag rack (MIXW2002) :

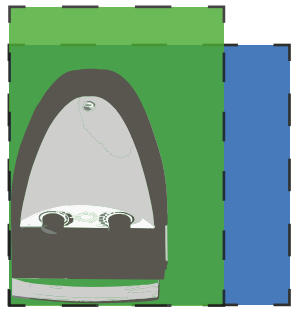
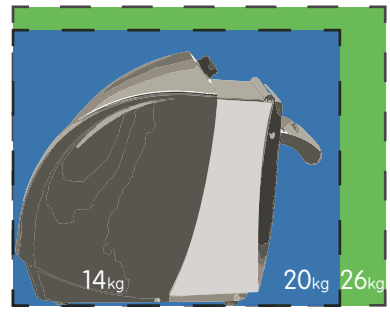





EASY TO CLEAN



« How to clean a Mixweld »

Save space on your bench :

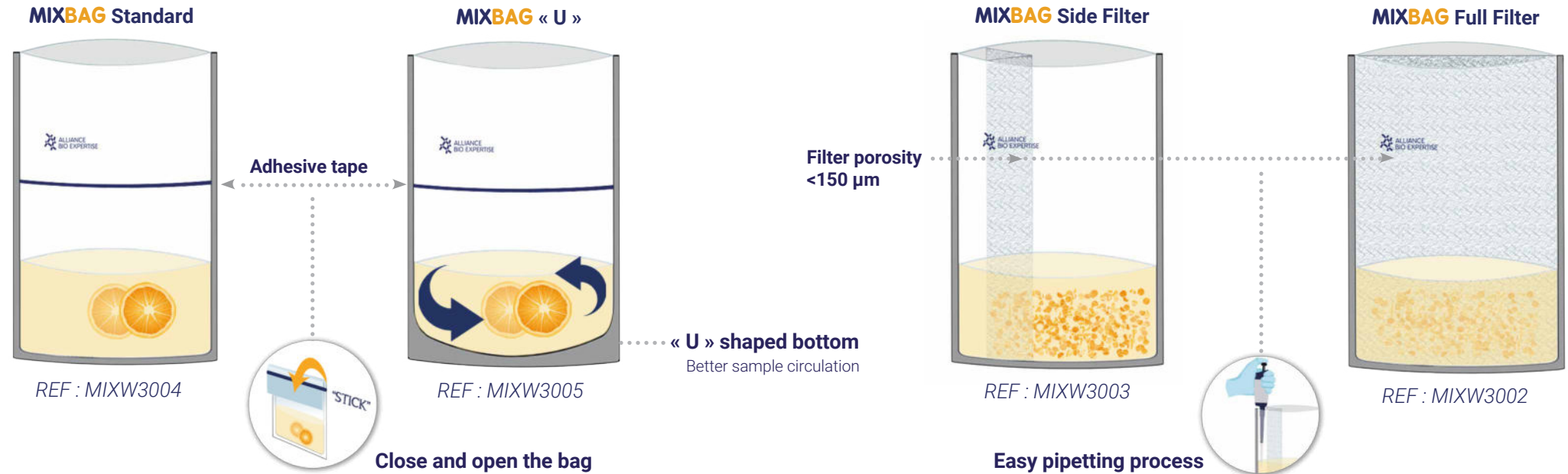


-  14kg A.B.E.
-  26kg Competitor 1
-  20kg Competitor 2

# STERILE BLENDER BAGS

Perfectly fits with MIXWEL® & DILUWEL® !

# MIXBAGS®



	MIXBAG Standard	MIXBAG « U »	MIXBAG Side Filter	MIXBAG Full Filter
Nominal volume	400ml	400ml	400ml	400ml
Useful volume	400ml	400ml	400ml	400ml
Material	Polyethylene (PE) + Polyamide (PA) (extra resistance)		Polyethylene (PE)	
Filter	N/A	N/A	Non woven - Filter porosity <math>< 150 \mu\text{m}</math>	
Closure	Bio-Adhesive strip		N/A	N/A
Unit per pack	50 bags	50 bags	50 bags	50 bags
Bag per box	1000 bags	1000 bags	1500 bags	1500 bags
Dimensions	190 (W) x 300 (H) mm		190 (W) x 300 (H) mm	



Sterilized by irradiations  
Food contact : compliant with FDA regulation and EU Directive 2002/72/EC

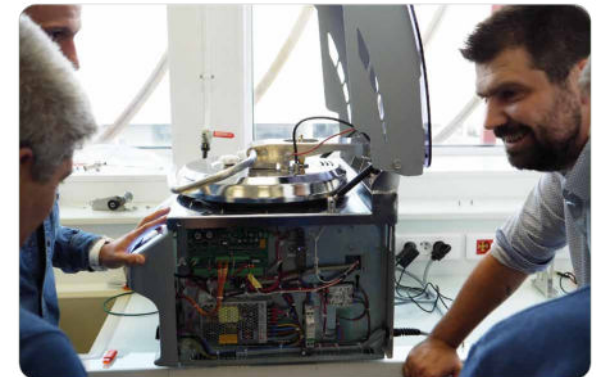
# TECHNICAL SUPPORT

- **Manufacturer's experience** : you benefit of the A.B.E. team's experience, 20 years in servicing automated laboratory equipment, with a multilingual competence !
- **Local network expertise** : your local distributor is a member of our exclusive network. Our partners were intensely trained at our premises in France but also abroad, in Europe, Asia, Africa, Middle East, and Americas. Our worldwide distributors are carefully selected for their service approach and their customer focus.
- **Availability & reactivity** : our team is reachable by email, skype and telephone. Are you on the other side of the world ? We will do all it takes to bring you the expertise you need rapidly, and above all, relevantly !

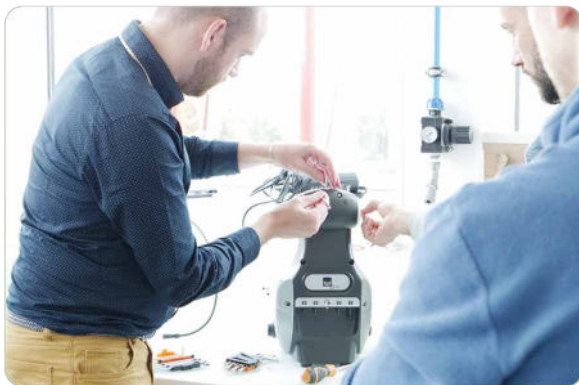
*Air sampler calibrations*



*Maintenance*



*Installation*



*Remote diagnostics*



*Technical training*



## DILUWEL XL® - APPLICATION KITS

Reference	Designation	Quantity	Box dimension	Gross weight
DILW3010	Patawel + (Bag openers / durable / clean / efficient grip)	12	Envelope	0.700 kg
DILW2115	Transport container	1	45 x 35 x 25 cm	1.000 kg

## DILUWEL XL® - APPLICATION KITS

Reference	Designation	Quantity	Box dimension	Gross weight
DILW2031	Bar code / QR code reader (1D/2D)	1	25 x 25 x 20 cm	1.000 kg
DILW2011	Ticket printer (USB)	1	45 x 35 x 35 cm	3.000 kg
DILW3005	Ticket printer rolls - 2100 labels	3	20 x 20 x 20 cm	1.000 kg



## DILUWEL® - ADDITIONAL TUBING



Reference	Designation	Quantity	Box dimension	Gross weight
DILW2002	Set of tubing 6.4mm with dispensing nozzle for DILUWEL	1	Envelope	0.205 kg
DILW2003	Set of tubing 4.8mm with dispensing nozzle for DILUWEL	1	Envelope	0.185 kg
DILW2004	Set of tubing 3.2mm with dispensing nozzle for DILUWEL	1	Envelope	0.210 kg
DILW2009	Set of tubing with dispensing nozzle for DILUWEL TURBO	1	Envelope	0.300 kg
DILW3001	Precut rotor tubing 6.4mm	5	Envelope	0.052 kg
DILW3002	Precut rotor tubing 4.8mm	5	Envelope	0.048 kg
DILW3003	Precut rotor tubing 3.2mm	5	Envelope	0.040 kg
DILW3007	Bulk rotor tubing 6.4mm - 5 meters	1	20 x 20 x 15 cm	0.400 kg
DILW3008	Bulk rotor tubing 4.8mm - 5 meters	1	20 x 20 x 15 cm	0.235 kg
DILW3009	Bulk rotor tubing 3.2mm - 5 meters	1	20 x 20 x 15 cm	0.290 kg
DILW3102	Inner connector 6.4 to 6.4mm	1	Envelope	0.003 kg
DILW3101	Inner connector 6.4 to 4.8mm	1	Envelope	0.002 kg
DILW3103	Inner connector 6.4 to 3.2mm	1	Envelope	0.012 kg
DILW3014	Classic tubing 6.4mm - 5 meters	1	20 x 20 x 15 cm	0.400 kg
DILW2035	Dispensing nozzle	1	Envelope	0.060 kg



DILW2006



DILW2035

## DILUWEL® - PRIMING NOZZLES



Reference	Designation	Quantity	Box dimension	Gross weight
DILW2006	Priming nozzle for broth bottle Ø 3cm neck (with filter)	1	Envelope	0.250 kg
DILW2040	Priming nozzle for broth bottle Ø 2cm neck (with filter)	1	Envelope	0.070 kg
DILW2007	Trocar (connector) for broth bags	1	Envelope	0.030 kg
BGWR2001	Baggyholder - Support stand for Baggywel (Broth bags)	1	60 x 40 x 30 cm	1.600 kg



BGWR2001

## DILUWEL® - ACCESSORIES



Reference	Designation	Quantity	Box dimension	Gross weight
DILW2001	Additional pump (Up to 4 by equipment) delivered with set of tubing 6.4 mm	1	60 x 40 x 20 cm	4.000 kg
DILW2034	Stainless steel Bag holder for 400 ml bags	1	25 x 25 x 20 cm	1.275 kg
DILW2016	Large stainless steel bag holder for 1500 ml bags	1	25 x 25 x 20 cm	2.485 kg
DILW2017	Adjustable holder for flasks, bottles	1	25 x 25 x 20 cm	0.815 kg
DILW2022	Diluboard - Weighing platform for metrology	1	20 x 14 x 14 cm	0.185 kg
DILW3010	Patawel + (long life non-sticky pads)	12	Envelope	0.026 kg
BGWR2001	Baggyholder - Support stand for Baggywel (Broth bags)	1	60 x 40 x 30 cm	1.600 kg

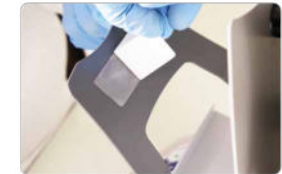


DILW2001

## DILUWEL® - CONNECTIVITY ACCESSORIES



Reference	Designation	Quantity	Box dimension	Gross weight
DILW2031	Bar code / QR code reader (1D/2D)	1	25 x 25 x 20 cm	0.740 kg
DILW2011	Ticket printer (USB)	1	30 x 23 x 22 cm	3.200 kg
DILW3005	Ticket printer rolls - 2100 labels	3	20 x 14 x 14 cm	2.270 kg
DILW2012	Keypad for Diluwel/Dosywel	1	20 x 14 x 14 cm	0.180 kg
DILW2013	Foot switch (USB)	1	15 x 20 x 6 cm	0.290 kg
DILW2038	Clean Keyboard - Tactile wireless keyboar	1	60 x 40 x 20 cm	1.500 kg
DILW2039	Clean Keyboard - Tactile keyboard with wire	1	60 x 40 x 20 cm	1.500 kg



DILW3010



DILW2022

## DILUWEL® - QUALIFICATION FILES



Reference	Designation	Quantity	Box dimension	Gross weight
DILW5001	Qualification protocol IQ/OQ (English)	1	-	-
DILW5002	Qualification protocol IQ/OQ (French)	1	-	-



DILW3011

MIXWEL® - ACCESSORIES



Reference	Designation	Quantity	Box dimension	Gross weight
MIXW2002	Bag rack (stainless steel - capacity for 14 bags)	1	45 x 35 x 25 cm	1.205 kg

MIXWEL® - BLENDER BAGS



Reference	Designation	Quantity	Box dimension	Gross weight
MIXW3002	Mixbag Full Filter - 400ml blender bag	1500	40 x 60 x 25 cm	14.000 kg
MIXW3003	Mixbag Side Filter - 400ml blender bagwith Side Filter page	1500	40 x 60 x 25 cm	14.000 kg
MIXW3004	Mixbag without filter - 400ml blender bags with bio-adhesive closure	1000	25 x 35 x 25 cm	8.000 kg
MIXW3005	Mixbag « U »without filter - 400ml blender bags with bio-adhesive closure	1000	25 x 35 x 25 cm	8.000 kg

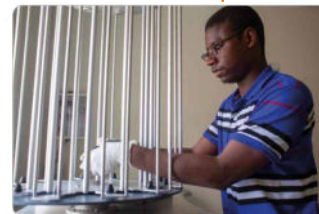


MIXW2002



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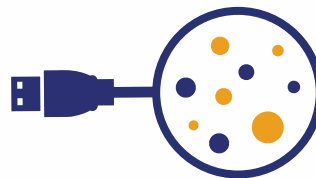
**20 YEARS EXPERIENCE  
IN MICROBIOLOGY EQUIPMENT DESIGN**

**A FULLY COMMITTED TEAM  
OF SERVICE ENGINEERS AND MICROBIOLOGISTS**

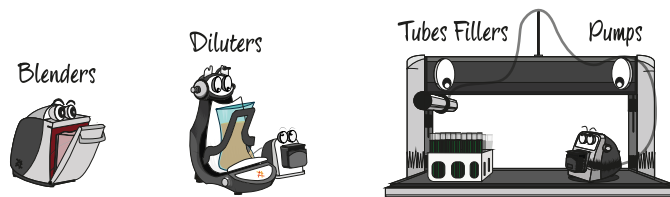


**MORE THAN 70 INTERNATIONAL DISTRIBUTORS  
TRAINED TO THE LATEST A.B.E. TECHNOLOGIES**

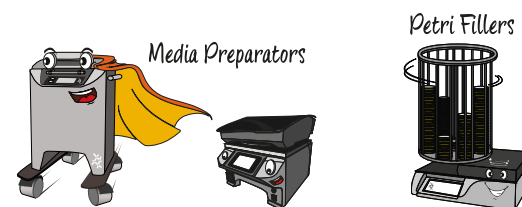
**A CONNECTED EQUIPMENT GENERATION  
FOR TRACEABILITY AND PRODUCTIVITY**



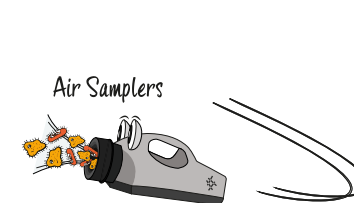
**FOOD SAMPLE PREPARATION**



**AUTOMATED MEDIA PREPARATION**

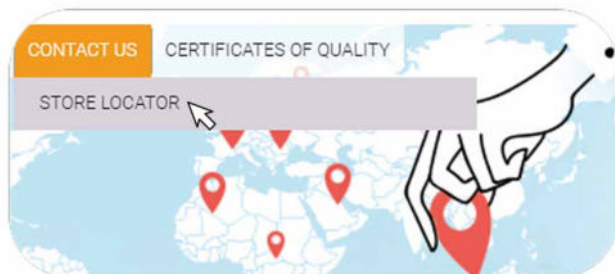


**SAMPLE COLLECTION**



BOOK YOUR DEMO !

<https://www.alliance-bio-expertise.com/en/store-locator/>



**FOLLOW THE BLOG**

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