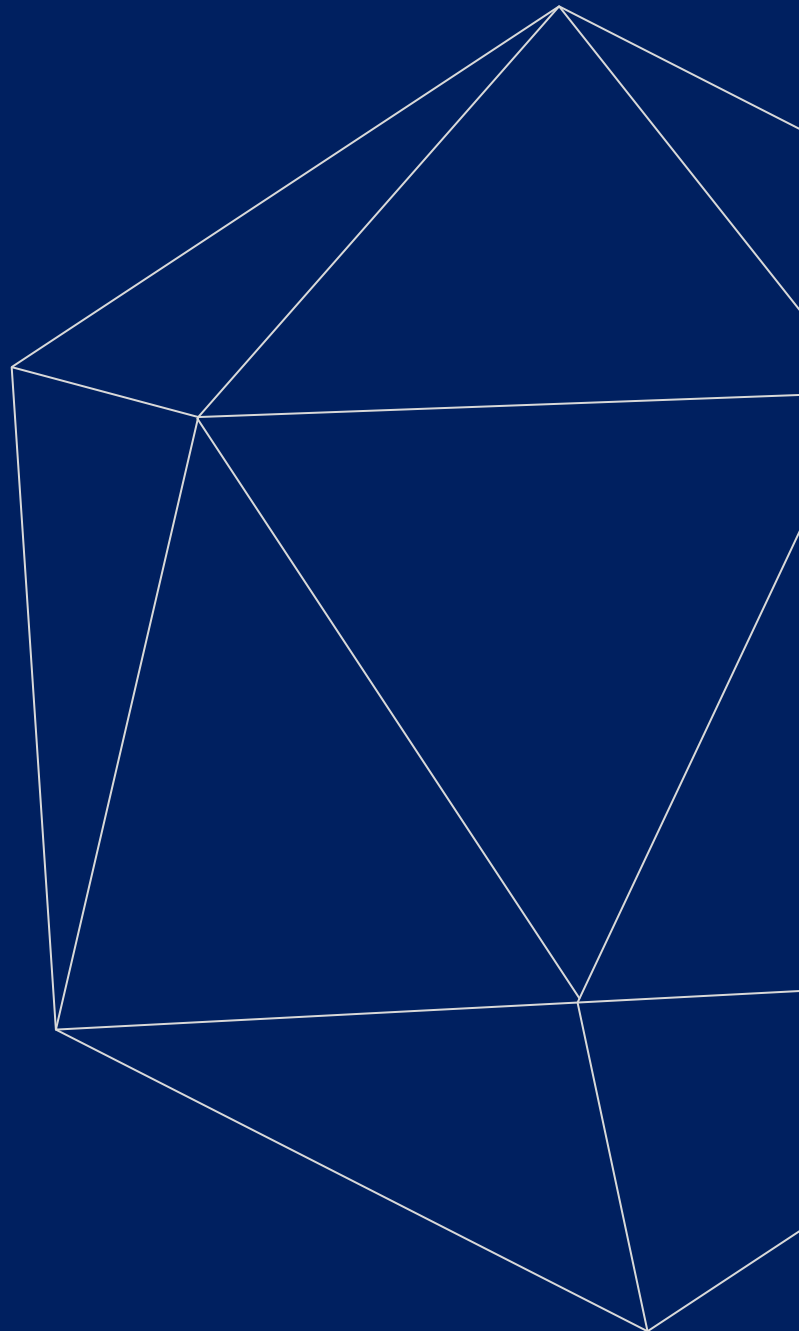# LABORATORY LINES

MICROPLATE READER
AND WASHER

Kalstein

A different accompaniment, at your service

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Benefits and Support

In Kalstein France, we take care of the full satisfaction of our customers, that is why we provide value-added services of the highest level based on our experience.

Online Inductions and Trainings

In any part of the world, receive your induction or training from our specialized team of engineers

Quick Response

Our work team is always available to response all your consults or questions, in order to support you in any situation.

#Letsgivemore 💚

Thanks to your purchase, a donation will be made to a non-profit foundation that fights against breast cancer and helps most vulnerable communities.

Technical Support

Enjoy of personalized advice for the correct preventive and corrective maintenance of your equipment, thanks to Kalstein's manuals and articles, special catalogues and video tutorials.

Delivery Logistics

We take care of all the necessary logistics for the dispatch of your goods, whether is by sea, land or.air.

Kalstein Worldwide

With more than 25 years growing with our customers, Kalstein's multiformat and modern content, is now present in more than 10 countries and increasing.

Microplate Washer
Model YR05124 & YR05125

ISO MD CE

Features:
- ✓ 8-well and 12-well wash head
- ✓ One or more strips can be chosen by keyboard directly
- ✓ Compatible with Flat, U-or V-bottom plates
- ✓ Shaking or soaking, time can be adjustable
- ✓ Waste and lotion and distilled water liquid warning automatically.

Specifications:
- ✓ Cv <2%
- ✓ Washing head:
- ✓ 8- and 12-well strips, Interchain
- ✓ Residual Volume:
- ✓ Residual Volume: 1µL/well
- ✓ Certificates: CE ISO9001 ISO13485
- ✓ Washing programs:
- ✓ 100 programs can be stored
- ✓ Washing Cycles:
- ✓ 1-99, optional
- ✓ Soaking Time:
- ✓ 0-999s, adjustable
- ✓ Dispense volume:
- ✓ 50µl-950µl, adjustable

Remark:

The model YR05125 has a built-in internal-temperature cyclic ELISA Plate pallet incubator (patent). Other's specifications are same as the model YR05124.

Dispense volume	0-950uL, adjustable
Washing Cycles	1-99 optional
Washing Mode	1-12, row and rank, selectable
Soaking time	0-999s adjustable
Vibration time	0-999s adjustable
Display	Large LCD
Channel	2 channels(including one channel for water)
Memory	UP to 100 programs can be stored
Interface	RS232
Power supply	220V±10% 50/60Hz AC110V±10% 50/60Hz 100W
Dimension	440mm(L)×305mm(W)×154mm(H)
Net Weight	13KG
Micro-plate Types	48/96-well U-/V-/Flat-bottom plates or strips

Microplate Washer
Model YR05126

Features:

- ✓ Centrifugal dripping, no clapping.
- ✓ No clotting, without crossing contamination
- ✓ Two plate washing at the same time.

Specifications:

- Washing head: 96 needles
- Washing wells: 24. 48, 72. 96 wells optional, can continuous arrange the wells, no interval.
- Micro-plate type: Flat. Round. U, V
- Washing mode Single plate (A or B) double plate (A-B)
- Lotion: A. B
- Washing time : 1-999 times adjustable. step 1s
- Flushing time : 0-999 seconds adjustable, Step s1
- Pressure setting : 0-9.9 adjustable
- Centrifugal time : 0-999 seconds adjustable. Step 1s
- Centrifugal rate : 1200-2500rpm
- Residual liquor: 0.1 uL per well
- Washing head position: 0- 10.00 mm continuously adjustable, completely washing
- Liquid level induction : insufficient washing and distilled Water alarm
- Capacity bottle : 2pcs 10000mL bottles for lotion. 1 pc for distilled water, another for waste
- 7 inch color touch screen operation, convenience and efficient with low failure rate.
- Power Supply: SMPS: 110/220V ± 10%, 50/60Hz ±1HZ
- Working Condition: Temp. 5 C° -40 C°; Relative humidity ≤ 80 %
- Dimensions : 51cm (L)*51cm(W)*43cm
- Weight : 30KG

✓ Single needle recoil, waste out of the plate automatically, no blocking. Clean Plate thoroughly, not waste plate.

✓ Centrifugal dripping, no clapping. Transparent cover, the cover safety inspection.

✓ Washing two plates for one time. Washing one plate cost less than 25 seconds.

✓ Tinting the base, automatic liquid discharge, no waste in the bucket

✓ Vertical plate washing method, put into the plate upward with 60°, to avoid the outflow

✓ 7 inch touch screen, digital adjustable washing time and pressure.

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Microplate Reader
Model YR05127

Specifications

- Microplate types: 96–well plate(U,V,or plat–bottom)
- Wavelength: 405nm,450nm,492nm,630nm,4 free positions for additional filters
- wavelength accuracy < 2nm
- Reading range: 0.000–4.000 Abs
- Measurement range: 0.000–3.000Abs
- Light source: LED, >100,000 hours
- Measuring system: 8–channel optical system
- Test mode: End–point, kinetic, Multi–wave analysis
- Resolution <1% or ?0.001Abs
- Stability: <?0.005Abs/10min
- Well Coincidence:?0.015A
- Linearity: r > 0.999
- Repeatability: < 0.3%
- Reading speed: 5s single wavelength , 10s double wavelength
- QC: West guard Multi–rule, automated QC alert.
- Self–Checking function: Self–checking and calibration function.
- CPU: High–speed CPU
- Printer: External jet printer, multi–form patient report.
- Interface: RS232 interface, USB.
- Power supply: 220VAC 15% or 110VAC 15%50–60Hz 100W
- Work environment: Temp 5??40?; Humi ?85%;
- Machine Dimension: 44CM*37CM*24CM
- Weight: 13 KG

Features:

High performance Portable Elisa Microplate Reader
96 well plate.

- ✓ Windows operation interface, figure button, mouse operation, touch screen.
- ✓ 96-well plate, multiple tests in the single plate.
- ✓ Arrangement of Test item in micro-plate can be store and re-use.
- ✓ Parameter can be modified and stored.
- ✓ Plate shaking, speed and time adjustable.
- ✓ Open system, test item and parameters can be added or modified.
- ✓ Large storage for 1000 test item and 1,000,000 results.
- ✓ 10'4 inch colour touch LCD.
- ✓ Printing comprehensive report, include hospital and patient information and test results.
- ✓ Built-in portable computer, easy to use.

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Microplate Reader
Model YR05128

Features:

Low cost but high performance multi functional Automated Elisa Plate Reader.

- ✓ Windows operation interface, figure button, mouse operation.
- ✓ 96-well plate, multiple tests in the single plate.
- ✓ Arrangement of test item in micro-plate can be store and re-use.
- ✓ Plate shaking, speed and time adjustable.
- ✓ Open system, test item and parameters can be added or modified.
- ✓ Large storage for 1000 test item and 1,000,000 results.
- ✓ External large LCD colour screen.
- ✓ Printing comprehensive report, include hospital and patient information and test results.
- ✓ External computer, easy to use.

Specifications:

Microplate types: 96-well plate(U,V,or plat-bottom)
Test mode : End-point, Kinetic, Multi-wave analysis
Measuring system: 8-channel optical system
Light source: Tungsten Halogen, 12V/20W,>2000 hours
Wavelength: 405、450、492、630nm, 4 more filters optional.
wavelength accuracy : < 2nm
Reading range: 0.000-4.000 Abs
Measurement range: 0-3.00Abs
Resolution : 0.001Abs（display）, 0.0001Abs(Inner counting)
Stability: <±0.005Abs/10min
Sensitivity: ≥ 0.01L /mg
Linearity: r > 0.999
Repeatability: < 0.3%
Reading speed : 5s single wavelength , 10s double wavelength
QC: Westguard Multi-rule,automated QC alert.
Self-Checking function : Self-checking and calibration function.
Printer: External jet printer, multi-form patient report.
CPU: High-speed CPU
Interface : RS232 interface,USB, PSTN and PC connection.
Power supply: 220VAC±15% or 110VAC±15% 50-60Hz 100w
Work environment: Temp 5℃—40℃; Humi ≤85%
Machine dimension : 43CM*34CM*16CM
Weight : 7 KG

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