



**Model ALSPR -960**

### Characteristics

- Advanced optical system, ensure accurate result and good repeatability
- 8 channel optical fiber system enables 5 secs' reading for 96 well plate.
- Bichromatic measurement, multi-calculation methods include ABS, Cut-off, Linearity and Log.
- Easily programmable and operate through PC software or keyboard
- Ability to communicate with PC, free PC operating software
- Plate shaking feature
- 405nm, 450nm, 492nm, 630nm, 4 free positions

To carry out ideal operation and data management for Elisa test, we provide an intelligent PC software for ALSPR-960

- Working base on Windows system
- Control machine, test programming, calculating results and indicating reagent recession curve.
- Multi-calculation methods on board: linearity, LogX, logY, logXY, Parabola regression, Polynomial regression, 4PL Regression.
- A complete data administration system for: micro-plate, reagent, patient, laboratory and results

SPECIFICATION		
Reading Speed	:	5 seconds for 96 well plate
Light source	:	Halogen lamp 8V/50W
Filters	:	405nm, 450nm, 492nm, 630nm, 4 open positions
Photometric Range	:	0.000-4.000Abs
Photometric Accuracy	:	±1%(0.000-2.000Abs)
Wavelength Range	:	340~750nm
Applicable programs	:	28 except of PC
Measure Mode	:	Monochromatic , Bichromatic
Calculation Mode	:	ABS; Cut-off; Linearity; LogX; LogY
Display	:	240*128LCD
Interface	:	RS232, parallel interface for external printer
Output	:	External printer (optional)
Power supply	:	AC220V/110V±10%,50/60Hz
Dimension	:	440(L)mm X 305(W)mm X 154(H)mm
Net weight	:	7kg



**Model ALSAR - 520**

### Flexible and easy to use

- Large LCD display, intelligent software, easy to operate
- Pre-washing function to avoid tubes plugging
- Self-calibration and trouble alarm function
- New protection design, no liquid spilling
- Two group of needles on washing head, minimum carry-over
- Needle positions adjustable and up to
- Large memory to store up to 100 programs

### Advanced washing system and Intelligent software

- Residual volume  $\approx 1$ , ensure excellent washing.
- Flat, U or V-bottom plates and strips washing.
- Multiple modes for washing, low air bubble.
- Strong washing function, bottom washing and two positions aspiration make completed washing effect.
- Automatic monitoring of vacuum and pressure, automatic rinse cycle.
- 8-channel or 12 channel optional.
- Plate shaking and soaking function, time of speed is adjustable.
- 5 position of needles are adjustable, fit for multi-kind of plates.

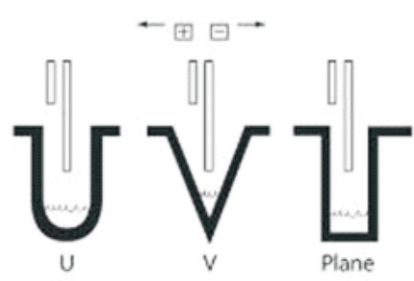


Figure1. Needle position adjustable

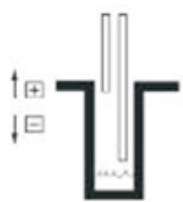


Figure 2. Bottom washing

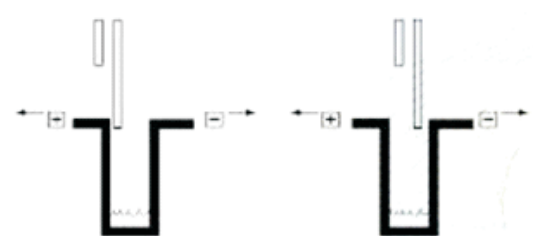


Figure 3. Two position aspiration

Specification		
Plate	:	48/96 well and trips (U,V, Flat bottom)
Residual Volume	:	$\approx 1$
Dispensing volume	:	Adjustable from 50 to 900 ul
Wash cycles	:	1-16 optional
Mode of wash	:	From 1 to 12, row and rank, selectable
Soak time	:	Up to 990 seconds adjustable
Shake time	:	Up to 990 seconds adjustable.
Display	:	Large LCD
Channel	:	1 washing channel, one distilled water channel, one waste liquid
Memory	:	up to 100 programs can be stored
Interface	:	RS232
Dimension	:	440(L)mm $\times$ 305(W)mm $\times$ 154(H)mm
Power Supply	:	AC220V $\pm$ 10%, 50/60Hz; AC110V $\pm$ 10%, 50/60Hz
Net Weight	:	7.5kg



**Model ALSAR - 520B**

### Characteristics

- Large LCD display, intelligent software, easy to operate
- Strong washing function, bottom washing and two positions aspiration make completed washing effect
- 8-channel or 12 channel optional
- Needle positions adjustable and up to 10 different needle positions pre-settable Pressure, volume & time adjustable, washing times, soap time pre-settable Pressure, volume & time adjustable, washing times, soap time pre-settable, whole plate or single strip reading
- Needle positions adjustable and up to 10 different needle positions pre-settable 5 position of needles are adjustable, fit for multi-kind of plates
- Self calibration and trouble alarm function
- Large memory to store up to 100 program

Specification		
Plate	:	48/96 well and trips (U,V, Flat bottom)
Residual Volume	:	2l
Dispensing volume	:	Adjustable from 50 to 900 ul
Wash cycles	:	1-16 optional
Mode of wash	:	From 1 to 12, row and rank, selectable
Soak time	:	Up to 990 seconds adjustable
Shake time	:	Up to 990 seconds adjustable.
Display	:	Large LCD
Channel	:	3 channels for washing liquid, 1 channel for waste liquid
Memory	:	up to 100 programs can be stored
Interface	:	Rs232
Dimension	:	440(L)mm × 305(W)mm × 154 (H)mm
Power Supply	:	AC220V±10%, 50/60Hz; AC110V±10%, 50/60Hz
Net Weight	:	7.5kg



208, Anandraj Industrial Estate, Sonapure Lane, Behind Asian Paints,  
 Off. L.B.S. Marg, Bhandup (West), Mumbai - 400 078. India  
 Phone : 91-22-2566 0389 / 2561 1865  
 Fax : 91-22-2566 0504  
 E-mail : support@alliance-in.com  
 Website : www.alliance-in.com

