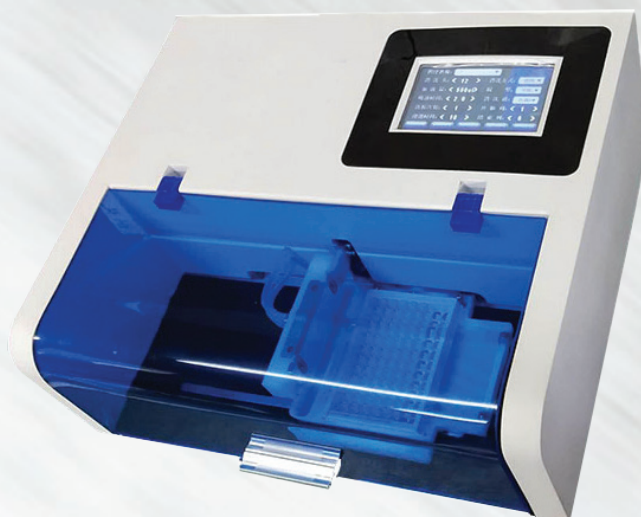# ESBK-EL10C
ESBK-9622

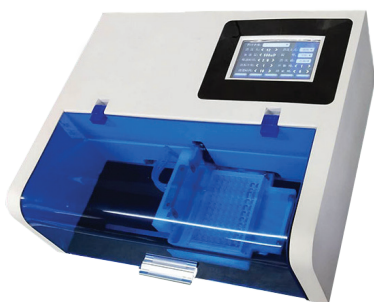## Microplate reader and washer

ESBK-EL10C / ESBK-EL10D

Advantage:
1. 8-channel vertical optical system.
2. Super fast reading speed of 7 seconds.
3. 10.1-inch Large Touch Screen with visual layout function, what you see is what you get.
4. Hardware: ARM architecture high performance low-power processor, with ADI high precision AD conversion chip, the measurement is more accurate and stable.
5. Software: Self-developed core algorithm, with independent intellectual property rights, flexible use of multiple calculation methods.
6. Incubation (only for **ESBK-EL10D**): time range 0-60 min Temperature range from +4 to +50°C

Model	**ESBK-EL10C / ESBK-EL10D**
MeasurementChannel	Vertical 8 optical channels;
Wavelength Range	**ESBK-EL10C** : 400-800 nm / **ESBK-EL10D** : 340～850 nm
Filter	**ESBK-EL10C** : tandard four wavelengths of 405, 450, 492, 630nm
	ESBK-EL10D : Standard five wavelengths of 340, 405, 450, 492, 630nm
ReadingRange	**ESBK-EL10C** : 0.000～4.000 Abs / **ESBK-EL10D** : 0.000～4.500 Abs
LinearRange	0.000～3.000 Abs
Repeatability	CV≤1.0%
Stability	≤±0.003Abs
AbsorbanceAccuracy	Absorbance value [0.0~1.0], error≤±0.02Abs
	Absorbance value [1.0~2.0], error≤±0.03Abs
WavelengthIndicationError	≤±2nm
WavelengthRepeatability	≤±1.5nm
Sensitivity	≥0.01 mg/L
ChannelDifference	≤0.02Abs
Vibration Plate Function	**ESBK- EL10C** : 3 kinds / **ESBK-EL10D** : 5 kinds - adjustable 0~255 s
Display	10.1-inch Large Touch Screen
InputPower	60VA
PowerSupply	AC220V, 50Hz
Interface	RS-232
PackingSize (W*D*H)	535mm*395mm*395mm
Gross Weight	13kg
Thermal printer (optional)	**ESBK-EL10C** support A4 normal and thermal printer
	ESBK-EL10D external UBS , Rj45 network port and other universal interface printer

ESBK-9622 7 ESBK-9613

Advantage:
1. Up to 100 washing programs, each program independently stores the name of an experiment item and the shape parameter of the microplate;
2. A variety of lotion channels are optional, which can be selected by default or manual switching;
3. With the function of washing liquid washing pipeline, the washing time can be adjusted, effectively preventing the formation of crystallization;
4. The lotion bottle has a uniform volume scale, which is convenient for the preparation of working liquid, and the automatic alarm function is full of waste liquid;

Model	**ESBK-9622 / ESBK-9613**
Microplate Types	Applicable to all types of microplates. Flat bottom, V-shaped bottom, U-shaped bottom, round bottom ., 96-well
WashingMode	2 kinds ofAutomatic washing,Soaking andShaking, to reduce the interference adsorption during the reaction; 0-999 seconds adjustable.
Average Residue	<1μl
Number ofMicroplate	1- 12 rows adjustable
CleaningHead	**ESBK-9622** :8 channels and 12 channels / **ESBK-9613** : 96 pins, single row controllable
LiquidSuctionTime	0.1-9.9 seconds adjustable, with an interval of 0.1 seconds
WashingPrograms	Up to 200 programs, eachprogram independently stores the name of an experiment item and the shape parameter of the microtiter plate
FlushingPipeline time	0-240 seconds adjustable
Display	7.0 inch LCD screen
LiquidInjectionChannels	3 (2 types of lotion and 1 type of distilled water)
CleaningNeedlePosition	6 types adjustable (Horizontal,Left,Center,Right,Bottom, hole spacing)
Packing size(W*D*H):	710*510*451mm
Gross Weight	23kg

CE