INOVIALAB
T E C H N O L O G Y

IMSTR Series Test Strip Readers

General Information;

IMSTR-1000 and IMSTR-500 test strip reader are suitable for test the immunochromatographic test strips. By using modern photoelectric technology and photo-diode to detect the intensity of the reflected light, the reader can detect the color of the strip,then calculate the quanting or concentration. It can avoid reading mistake by eyes and make rapid, high sensitivity when using reader to detect the color change of test strip.

Customization acceptable,

1.Equipped specialized software of different test strips, increase or decrease detection program according to the manufacturers requirements.
2.Support customization according to user needs.
3.Test card and test strip for user flexible choice.
4.Desktop and portable for user choice:

IMSTR-1000 Desktop test strip reader.
IMSTR-500 Portable test strip reader

Remark for Test Strip Reader

1.Test strip reader must match the test strip, cooperate with the manufacturer of test strip.
2.Support customization according to test strip manufacturer needs.
3.Fluorescence detection must be provided excitation wavelength, emission wavelength and life of fluorochrome.

Detection principle,

Standard test strip structure as right picture, these equipments detect sample positive or negative (concentration) by measuring reflection of light intensity of T and C line.
These are also suitable for some test strip with several T lines.
The IMSTR-1000 can test 5 T lines and the IMSTR-500 can test 4 lines.

Features of IMSTR-1000

1.Small size and light weight for easy carrying.
2.Simply operation with 1~3 steps quantitative detection.
3.Semi-automatic detection with high speed, test time only 5s except prepare sample time.
4.Automatically identify CT line position, Error correction range ±3mm.
5.Accurately identify one or more(up to 4) T lines value and CT ratio.
6.Large built-in memory can save 10000 records
7.External thermal printer for printing reports
8.Powerful software, build-in 2 systems software (one for the end-user, another one for the reagent manufacturer)

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IMSTR-1000

Features of IMSTR-500

1.6.2 inch touch screen for easy use.
2.Strict calibration system for stable results
3.Automatically identify CT line position, Error correction range ±3mm.
4.Fast and accurate test reduce human errors, automatic calculate concentration and judgment.
5.Accurately identify one or more (up to 5) T lines value and CT ratio.
6.Large built-in memory can save 10000 records.
7.Build-in thermal printer.
8.Powerful software, build-in 2 systems software (one for the end-user, another one for the reagent manufacturer)

Technical Specifications;

Model	IMSTR-500	IMSTR-1000
Measurement Records	1.000	10.000
Display	Monochrome grap. LCD display	6.2"
Test Strip Dimensions	W: 3-5mm L: <75mm	
Test Cassette Dimensions	70x20x5mm (LxWxH)	
Wavelength	525±30nm (Can custom-make)	
Colorimetric Detection	Colloidal gold, Colored latex beads, Carbon etc.	
Number Of Test Lines Per Strip	Up to 5	
Measurement Time	<15sec. For one test strip	

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IMSTR-500