

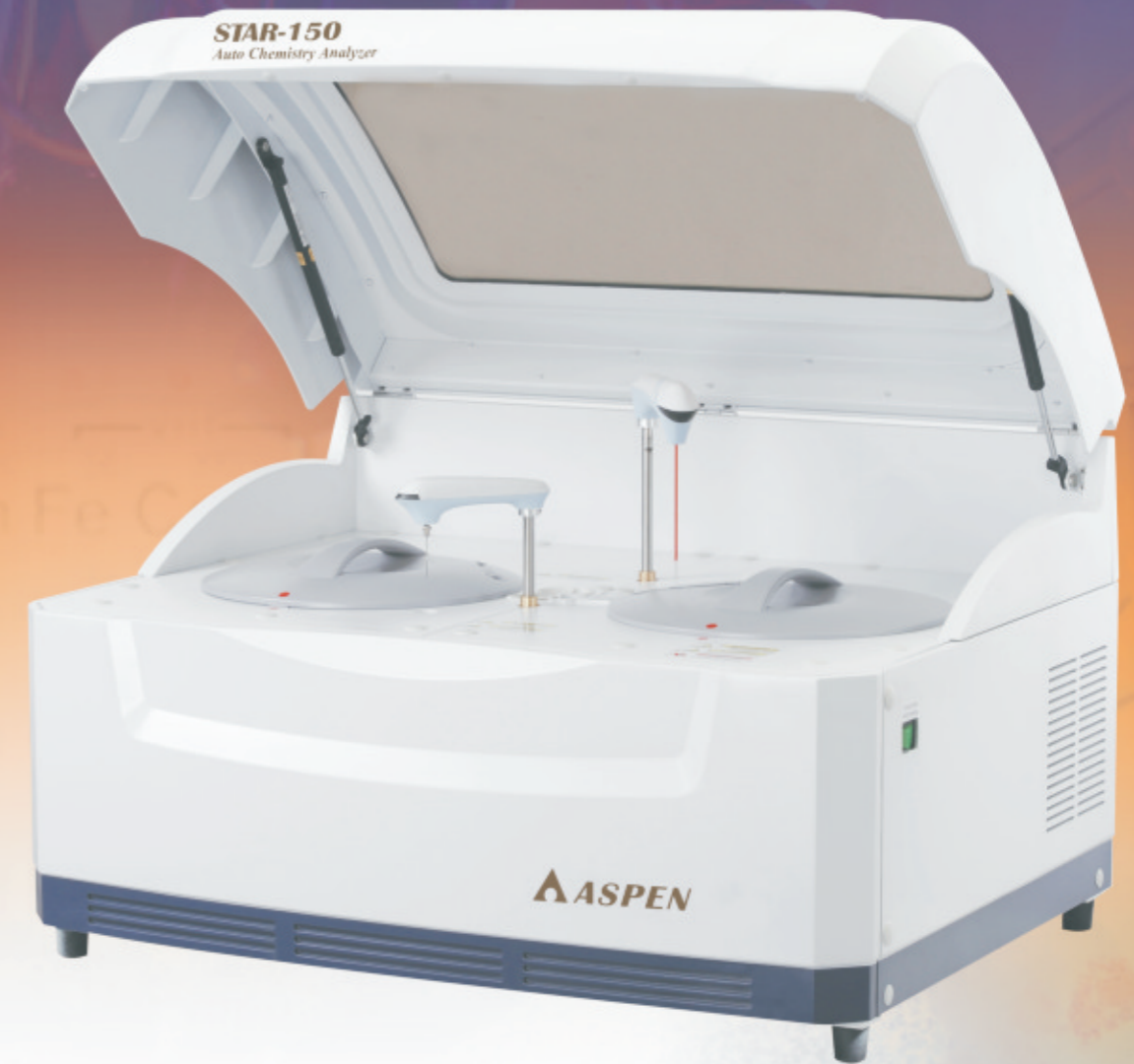
Fully Automated
Biochemistry Random Access Analyzer
STAR-150



reliable, flexible & convenient



Fully Automated
Biochemistry Random Access Analyzer
STAR-150



Mkt'd. by:
ASPEN DIAGNOSTICS (P) LTD. (India)
Rapid Diagnostic Group of Companies
(ISO 9001 : 2008 CERTIFIED COMPANY)

LOCAL CONTACT

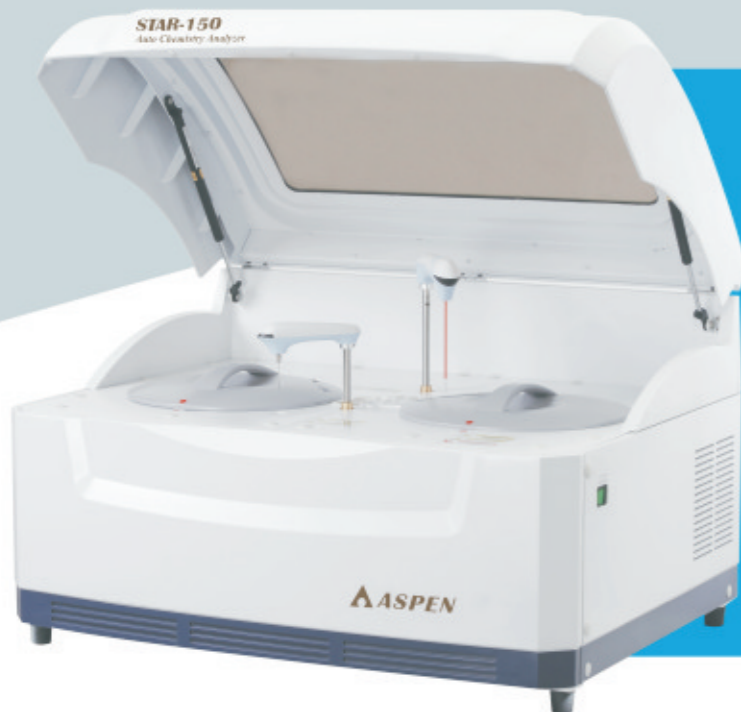


ASPEN DIAGNOSTICS PVT. LTD.

www.rapiddiagnostic.in

Fully Automated Biochemistry Random Access Analyzer

STAR-150



System Function

Fully automated, Discrete, Random access for routine, STAT, Urine and homogeneous immuno assays

Throughput Up to 150 tests per hour

Test principle Colorimetry, Turbidimetry

Methodology End-point, kinetics, Fixed-time, etc.

Support single/dual wavelength and 1-2 multiple reagent item, linear and nonlinear calibration



Features

- Fully automated, discrete, random access
- Upt to 150 tests per hour
- Airtight Static Matrix Optical System (ASMOS), rear spectrophotometry, realizing synchronous double wavelength testing
- Highly polished sample probe, with liquid level detection, probe depth adjustment automatically and collision protection
- Alkaline solution washing to prevent carryover thoroughly
- Independent mixer, rinsed by vortical style
- 81 special ultraviolet transmitting plastic cuvettes and optional quartz glass cuvette

Sample/Reagent System

Sample/reagent tray	40 positions for samples and reagents in refrigerated compartment (4~12°C)
Sample volume	2~30µ L, step by 0.1 µ L
Reagent vol	R1: 150µ L~300µ L R2: 20µ L~300µ L
Sample/Reagent probe	Liquid level detection with collision protection
Sample tube	Compatible with primary tube, secondary tube, and sample cup
Reagent bottle	Compatible with reagent bottles of HITACHI and OLYMPUS

Reaction System

Cuvette	Special ultraviolet transmitting plastic cuvette and optical length of 5mm
Reaction volume	150µ L~500µ L
Heating	Fully-sealed constant temperature, heated by solid substance, fast and steady
Reaction temp.	37±0.1°C
Mixing system	Independent mixing probe

Optical System

Light source	20W/12V halogen lamp with lifetime of more than 2000 hours
Photometric method	Rear spectrophotometry by filter technology, fully sealed, free from mildew
Wavelength	8 wavelength, from 340nm to 670nm
absorbance range	0~4.00Abs

Calibration & Control

Calibration mode	Linear, Logit-log 4P, Logit-log 5P, Spline, Exponential, Ploynomial
Control rule	Westgard multi-rule, Cumulative sum check, Twin plot

Operation Unit

Operation system	Windows 2000 or XP
Interface	RS-232

Working Conditions

Power supply	AC 100~240V
Power	350VA
Dimension	855 X 640 X 560mm
Net weight	50kg

