



**FusionGreen Healthcare Pvt. Ltd.**

*We deliver ...*

# FG BC22



Automatic Biochemistry analyzer

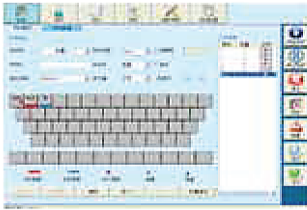
- \* 150 Tests/Hours
- \* 80 Reagent Positions
- \* 40 sample
- \* 44 Reaction Currents



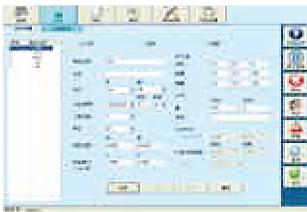
**Innovation Design & Smart Combination.**

# FG BC22

## Automatic Biochemistry analyzer



- Use friendly software interface simple, easy -to-operation
- Sample automatic dilution(decrease, increase,normal)
- Masking tests when reagent or standard is exhausted



- Calibrator auto-dilution
- Linear & nonlinear calibration
- Multi -points calibration up to 8 points
- Quality control apply to Westgard L-T plot, Cumulative.



- Real-time display of running status
- Real-time display of status of reagent tray, sample tray and reaction tray.
- Real-time updating of reagent residuals
- Real-time marking of defective cuvette
- Reaction results automatic checking and warning
- Calibration results automatic checking and warning
- Alarm log: Automatic alarm and record in alarm list with explanations during running process.



- \* **Reliable**
- \* **Flexible**
- \* **Economical**



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## **Sampling Probe:**

- External & internal mirror polish, external & internal probe washing (reducing carry-over)
- Dedicated sampling probe equipped with sensitive liquid sensor, timely feedback of reagent & sample residuals.
- Collision protection
- Automatic probe depth adjusting



## **Excellent Mixer Design:**

- Teflon coating mixer. No water dropping (reducing carry-over)
- Excellent mixing effect with standard mixing procedure.



## **High Precision Ceramic Syringe :**

- Sample dispensing by frequency converting design
- Permanent ceramic piston
- Accurate dispensing low as 0.1ul



## **Multi-Functional Sample & Reagent Tray:**

- 80 reagent positions (40 for R1, 40 for R2)
- 40 sample positions, micro cup & test tube can be used
- Non-stop cooling system with peltier pad inside ,24 hours 2-14
- Barcode reader (optional)



## **Washing Station:**

- 3 needles wash-station
- Triple washing
- Effective washing to ensure accurate result and valid diagnostics.



## **Reaction Tray:**

- 44 reactions cuvettes
- Reaction volume as low as 150ul
- Stable & accurate temperature(37+<sub>-</sub> 0.1°C) for reaction.



# FG BC22

## Automatic Biochemistry analyzer

### Technical Specifications:

#### General Information:

Machine type:	Random access, open reagent & locked reagent (optional)
Test speed:	Constant 150 tests/hour (mono reagent or double reagent)
Test principle:	colorimetric method, turbidimetry
Test method:	1 point end, 2 point end, Fixed-Time, kinetics.
Calibration type:	Linear & nonlinear

#### Sample & Reagent unit:

Sample tray:	40 sample positions
Sample cup type:	Micro cup & test tube
Reagent tray:	80 reagent positions (40 for R1 & 40 for R2)
Sample volume:	2-30ul, step by 0.1ul
Reagent volume:	20-300ul, step by 1ul
Sample & Reagent bar code reader (optional)	

#### Reaction Unit:

Reaction tray:	44 high quality plastic cuvettes.
Reaction volume:	150ul -330ul
Reaction time:	10minutes
Temperature :	Peltier pad incubation system, reaction temperature ( 37°C+_0.1°)
Cuvette washing:	3.4° steps automatic washing.

#### Mixing System:

Teflon coating mixer.

#### Optical System:

Light Source:	Halogen lamp.
Wavelength:	340nm; 405nm; 450nm; 505nm;
Absorbance range:	546nm; 578nm; 630nm; 700nm (4 more options) 0-4.0 Abs.
Resolution:	0.0001 Abs.

#### Operation System requirements:

Operation system:	Windows XP & Windows 7
Interface:	USB

#### Working Conditions:

Power Supply:	AC 110/220v +- 10%, 50/60 Hz, 650 W
Water consumption:	6L/hour(maximum)
Dimension:	750mm*560mm*530mm(L*W*H)



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