



Genetic analyzer FM-GAR-A101

Overview

Genetic analyzer FM-GAR-A101 has 6 coloured fluorescent dyes used to label DNA fragments for visualization and detection. Consists of 16 capillary channels for high precision and reliability. Our analyzer boasts the capability to construct comprehensive databases with a single test. Boot time ranges from 1 to 2 minutes, featuring a multi-language interface that is user-friendly and easily operable. Delivers accurate outcomes in both gene sequencing and fragment analysis.

Specifications :

Channel	6 coloured
Injection method	16
Maximum Flow	Automatic sample injection Two 96-wells
Quantity of consumable life cycle	656
Electrophoresis Voltage	Automatic
Current	1kv to 20 kv
Laser	10 A
Laser Wavelength	Semiconductor solid state
Sequencing Read length	505 nm
Capillary Length	Above 800 bp
Capillary diameter	36cm , 50 cm
Temperature Range	50 ...m
Operating system	18°C to 65°C
Start -up speed	Windows 10
Power Consumption	1 min
Power Supply	800 W
Dimension(L xW xH)	220V- 10% , 50Hz - 1H
Net Weight	610 x532 x812 mm
Gross Weight	92 Kg

Features :

- Comes with specialized software for data interpretation and analysis
- Feature automated sample handling and processing capabilities
- Provided with an STR detection Kit it helps in Human Identification
- Open-platform design compatible with widely used reagent kits and consumables
- Flexible to integrate advancements and updates in the field of genetic analysis
- Guarantees reliable and consistent outcomes in genetic analysis procedures

Accessories :

The genetic analyzer is applied in various fields, including DNA sequencing, genetic testing, forensic analysis, medical research, pharmacogenomics, paternity testing, population genetics, agricultural research, personalized medicine, and comparative genomics

Software Features :

- It consists of a Self-development, EN/CN version system
- This System includes data collection software, sequence analysis software, and fragment analysis software
- Ensures data Acquisition and software Gene test
- It displays the instrument's operational condition, Usage, and system maintenance in real-time
- The fragment analysis software is capable of analyzing Fusion, STR, SNP, rearrangement, etc
- The sequence analysis software is capable of performing base-calling, Mutation site search, etc