

GENESCANNER



GeneScanner is a high-throughput microplate fluorescence scanning system, suitable for fast, accurate, and sensitive PCR microarray applications. Functions include automated PCR microplate loading, barcode reading, fluorescence detection, and microplate unloading.

Providing excellent sensitivity and resolution, GeneScanner allows customers to miniaturize reaction volumes and generate more accurate data. It offers precise detection of fluorescence signals from reaction volumes as low as 1 μL .

Full-field scanning technology enables high-throughput detection, with reading times as low as 5 seconds per filter (15 secs for 3 dyes). The system also accommodates a wide range of PCR plates and allows for the flexible combination of multiple detection channels, covering the entire visible light range.



Main features

- Fast, whole plate scanning
- CCD camera with a read time of 5 seconds per filter
- 4 filter channels
- Barcode tracking

Processing Capacity	1 microplate per scan
Plate Compatibility	96-well, 384-well, and 1536-well PCR plates
Reading Time	5 seconds per filter
Detection Filters	FAM, HEX, VIC, ROX (others available)
Reaction Volume	0.8 μ L – 20 μ L
Detection Method	Full-field plate screening
Operating Interface	Integrated touchscreen & software
2D Barcode Reader	Yes
Operating Voltage	110 / 230 V
Instrument Dimensions	500 mm; 600 mm; 450 mm
Instrument Weight	35 Kg