ELITe BeGenius

TECHNICAL SPECIFICATIONS

Fully automated platform for nucleic acid extraction, PCR set-up, amplification and detection.
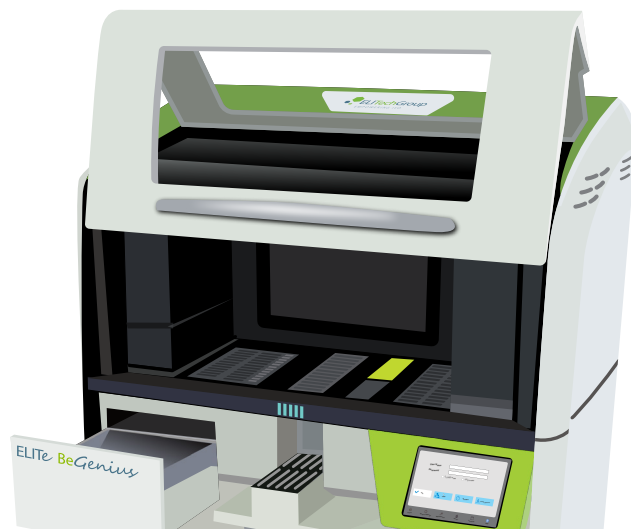
Performance Specifications

Time to first results	2h30 minutes (24 results)
Maximum throughput	72 results/8 hours
Walk-away time	~ 2h30 minutes
Maximum number of tests per run	24 tests
Sample capacity	24 reagent tubes
Reagent capacity	24 reagent tubes; possibility to unload during the run
Reagents	Ready-to-use, barcoded
Operational flexibility	• Integrated barcode readers for complete traceability of samples and reagents • Cooled storage of samples, eluates and reagents to improve their stability on-board and overnight runs. • Increase analytical throughput by a thermal block with 24 PCR positions • Improved single pipette module to implement high volume dispensing, multidispensing and reduce primary sample dead volume • Maximum flexibility in system placement within the laboratory • LIS connectivity
Barcode	Samples Barcode: Code 39; Code 128; Interleaved 2 of 5; Codabar; EAN 128 Reagents and Elution Tubes Barcode: DataMatrix

Physical Dimensions

Width	1,382 mm
Depth	850 mm
Height	1,843 mm
Total weight	440 kg
LCD touch panel	12.1"

ELITechGroup

EMPOWERING IVD

Electrical Specifications

Maximum power input	1050VA (1050W)
Input voltage	100-240V AC +/- 10%
Max current	10.5A/100V or 4.57A/230V
Frequency	50/60Hz
Installation category	Over voltage category: II
Pollution degree	2
Laser device	Class 1

Channel / Dye	Compatible Dyes	Excitation (nm)	Emission (nm)
1 FAM	FAM, SYBR green, Alexa Fluor 488	470	510
2 AP525	JOE, HEX, VIC	530	555
3 AP559	TAMRA, Alexa Flour 555, NED	560	590
4 AP593	ROX, Texas Red	590	630
5 AP642	Cy5, Alexa Fluor 647	630	670
6 AP680	Cy5.5, Alexa Flour 680, Quasar 705	670	710

Environmental Requirements

Operating temperature	+15 to 30° C
Storage temperature	+5 to 40° C
Transport temperature	-25° to 60° C
Ambient operating humidity	20-80% non-condensing
Maximum altitude	0-2,000 m (6,562 ft)
Non-operating temperature	-20–60° C
Non-operating relative humidity	20-90% non-condensing
Noise level	<70 dBA during 24 PCR amplification
Operation location	For indoor use only
Installation floor	The floor shall be level withstand the load of at least 500kg

WORLDWIDE OFFICES
Please contact your sales representative for terms, conditions and product availability in your country.

Headquarters **+331 41 45 07 10**

Australia	+61 1800 815 098	New Zealand	+64 0800 555 611
Belgium, Luxemburg	+32 92 820 531	Serbia	+381 11 2467119
Brazil	+55 27 3025 1415	The Netherlands	+31 313 430 581
France	+33 4 83 36 10 82	UK	+44 1442 869320
Italy	+39 011 97 61 91	United States	+1 800 453 2725

ELITechGroup
EMPOWERING IVD