



Intelligent USER INTERFACE

- **User Management:** Individual login and roles, Audit trail
- **Assay Programming:** Open & Closed modes, CE-IVD assay locked & user-defined protocol, Custom panel saving
- **Reagent Management:** Traceability on screen and reports, Inventory manager tracks reagent block test configuration, Setup, Usage, Expiry
- **Run Setup & Monitoring:** Bi-directional LIS connectivity, Bar-coded materials, Graphical loading guidance, Indicates progress, time left & curves in real time

- **Assay Calibration:** Stores curves of multiple calibrator & reagent lots, Manages bar-code entry, approval, expiry
- **Quality Control:** Stores multiple control & reagent lots, Levy Jennings, CT plots
- **Reports:** Run results summary, Custom report by track or patient with optional plots, Calibration & control reports



SPECIFICATIONS

System Overview

- Benchtop instrument with integrated touch screen - 100x75x85 cm - 184 kg
- Throughput: 3 000 to 9 000 tests per year
- Time-to-result: approximately 2h30
- Hands-on time: less than 2 minutes per sample

Specimen

- 1 to 12 samples per run
- Validated matrices: whole blood, plasma, serum, cerebrospinal fluid, stool, urine, amniotic fluid, blood culture, nasal swab, throat swab, rectal swab, cervical swab
- Primary tube loading

Sample Preparation

- Sonication capability
- Patented magnetic bead technology
- Extraction reagent: prefilled, unitary cartridge format - ELITE InGenius SP200
- Sample volume : 200µL, Elution volume: 50µL, 100µL, 200µL
- Extracted nucleic acid storage

Amplification

- 12 independently controlled real-time PCR units
- Minimum 6plex target capability enhanced with melt curve analysis
- Amplification reagent: CE-IVD with ELITE MGB line, open capability for a wide large range of chemistries
- Reagent manager area with active cooling: 24 positions
- Multiple PCR from one extracted sample
- Quantitative results: up to 6 calibrator levels
- Real-time PCR volume: 20 µL to 50 µL
- Pipetting range: 5 µL to 300 µL with multidispensing
- Security features: specific cassette design, drop catcher, filter tips, UV treatment, multiple liquid level detection...

Data Management

- Bi-directional LIS connectivity
- Quality control with Levey-Jennings plot
- Large range of barcode & QR code accepted for samples & reagents traceability
- Remote access for service and diagnostics

Ordering Information

		Quantity	Reference
ELITE InGenius®	Sample-to-result instrument with touch screen	1	INT030
ELITE InGenius® SP 200	Pre-filled unitary cartridge for universal extraction	48	INT032SP200
ELITE InGenius® SP 200 Consumable Set	Consumable set for extraction	48	INT032CS
ELITE InGenius® PCR Cassette	Universal PCR reaction vessel	192	INT035PCR
Real-time PCR Assays ELITE MGB® line (CE-IVD)	Please refer to the specific catalogue		
ELITE InGenius® Waste Box	Plastic bag for tip waste	20	F2102-000

ELITE InGenius

Fully Automated Sample-to-Result Solution

Consolidate Complex Molecular Diagnostics Testing Needs in One Simple-to-Use and Flexible Solution



A pioneer in PCR technologies for more than 20 years, ELITechGroup is a leading PCR innovator with the revolutionary Minor Groove Binder (MGB) technology and has become today a global solution provider for Molecular Diagnostics. Our deep-rooted culture of innovation, combined with the highest manufacturing quality standard a long-lasting collaboration with customers and international working groups enables us to design a solution tailored to YOUR needs. ELITechGroup Molecular Diagnostics solutions enable healthcare providers to make better medical decisions, improve patient outcomes and deliver a superior level of service and patient care.

To Consolidate Complex MDx Testing Needs in One Simple-to-Use and Flexible Solution...



Full AUTOMATION

- Bench-top solution integrating **all the steps of Molecular Diagnostics** in a single platform. Automated nucleic acid extraction, real-time PCR amplification, and result analysis guided step by step by an **intuitive touch screen interface**.
- Combines the functionalities of multiple molecular platforms and **reduce the hands-on-time to few minutes**.
- Bi-directional connectivity enabling the laboratory to automatically query the LIS to import testing information and export patient's results.
- **Primary tube loading** capability.



Efficient PERFORMANCE

- High yield of extraction even with low sample volume thanks to **patented magnetic beads technology** combined with sonication, thermal and chemical sample treatment.
- Best-in class CE-IVD real-time PCR menu based on the **MGB** technology for qualitative and **quantitative applications correlated to W.H.O. International Units**.
- Unitary **cassette-based format** to guarantee an high result accuracy and control of the reagent consumption.
- **Overall time to-result** from extraction to result analysis, **approximately 2h30** and hands-on-time reduced to less than **2 minutes per sample**.



Unrivalled FLEXIBILITY

- **1 to 12 samples processed in parallel** tracks offering the possibility to potentially **mix any kind of sample matrices** and use diverse thermal profiles simultaneously and even **different PCR chemistries within the same run**.
- **Multiple and independent PCR capability from one extracted** sample enabling the laboratory to define customized and comprehensive panel of tests adapted to each patient needs.
- **Several operational modes** available : extraction only, amplification only, or full processing extraction, amplification and result analysis with melt curve analysis capability.
- **Extracted nucleic acid storage** for multiple PCR testing, additional retesting or archiving.



Unlimited MENU

- First sample-to-result solution with a comprehensive quantitative transplant pathogen monitoring menu including: **CMV, EBV, HSV1, HSV2, BKV, JCV, Parvovirus B19, HHV6, HHV8**, and many more.
- **Complete CE-IVD ELITE MGB real-time PCR menu:**
 - Transplant Pathogen Monitoring
 - Healthcare Associated Infections
 - Antibiotic Resistance Testing
 - Sexually Transmitted Diseases
 - Respiratory Infections
 - Meningitis
 - Gastro-Intestinal Infections
 - Genetics
- **Minimum 6plex target capability** enhanced with melt curve analysis.
- **Mixed and matched** within the same run **CE-IVD assays, laboratory developed assays or other assays of interest** simply on demand.
- **Personalized menu** by saving test panel.

...A Unique Workflow Combining Capabilities not Available on Other Sample-to-Result Systems



Primary tube loading capability

Secondary tube sonication capability

Integrated piercing and pipetting tips

Extracted nucleic acid storage

Universal prefilled extraction cartridge

Multiple PCR for one extraction

12 independently controlled real-time PCR units with multiplexing capability – 6 optical channels per unit

