

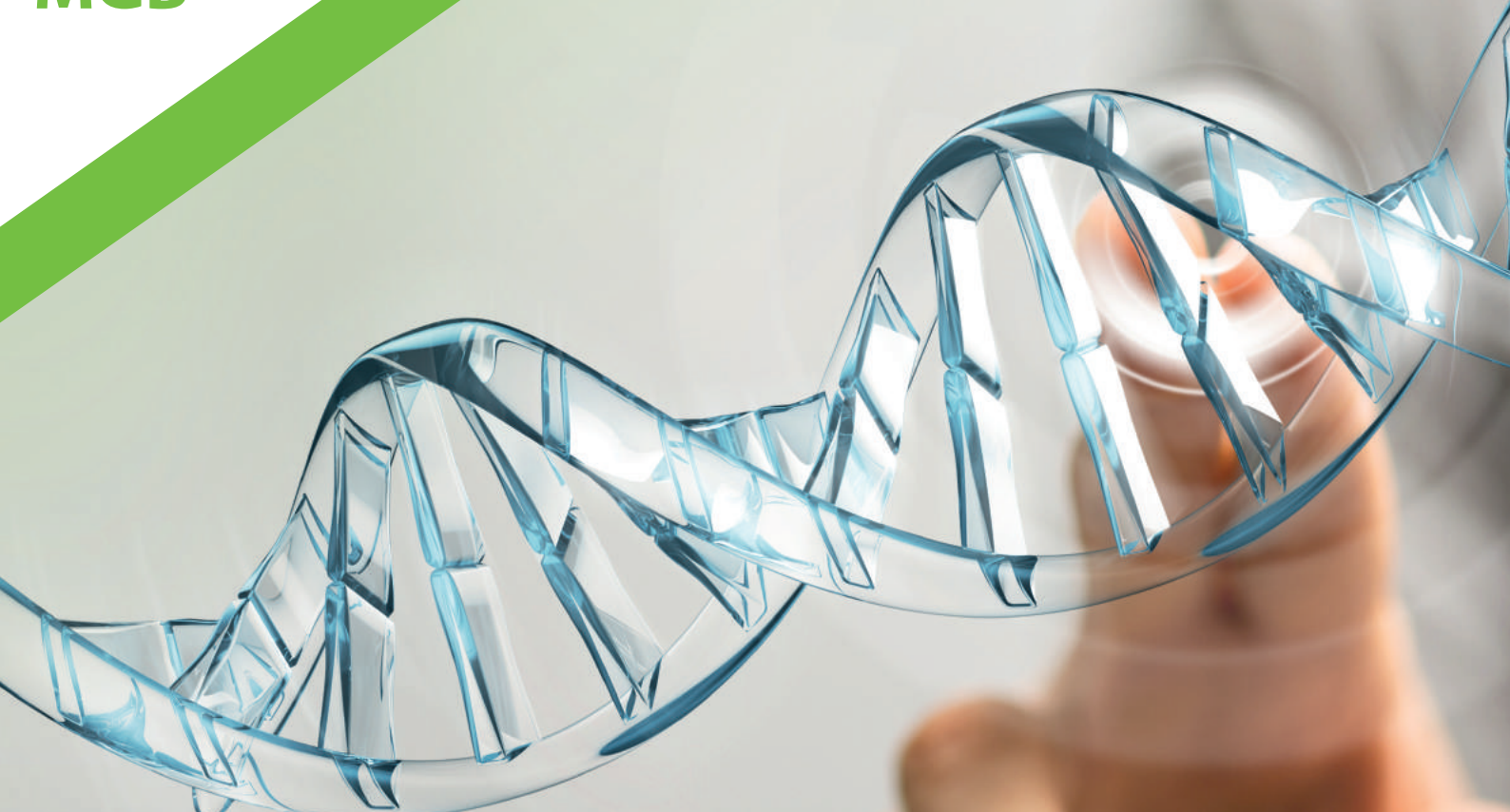


Molecular Diagnostics

ELITe MGB®

Real-Time PCR Assays

MGB



HIGH PERFORMANCE

assays for infectious diseases,
Genetics & Oncohematology testing

LEADING quantitative & multiplex
assays for *in vitro* diagnostic

SIMPLIFIED workflow in combination
with the ELITe InGenius® system

ELITechGroup Real-Time PCR Proprietary Technologies

MINOR GROOVE BINDER (MGB®)

Synthetic molecule attached to the 5'-end of MGB® DNA probes, that binds in the minor groove of hybrid DNA molecules

- Increase stability of hybrid DNA enabling the design of shorter probes for excellent specificity and sensitivity polymorphisms discrimination
- Identify emerging mutations and reliably discriminate variants
- Increase T_m reproducibly in A-T and G-C rich regions
- Enable reliable, clear and unambiguous meltcurve analysis

ECLIPSE® DARK QUENCHER

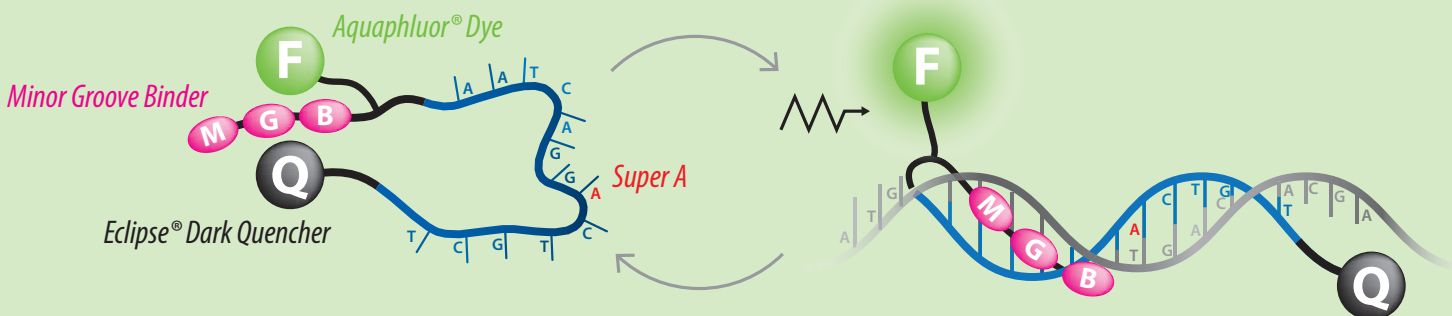
Absorbs the fluorophore energy and dissipates it as heat; while a typical quencher re-emits part of the energy as light

- Improve absorbance of fluorescence emitted from dye reagents
- Decrease background level of fluorescence
- Improve PCR assay sensitivity
- Cover 4 spectra wavelengths

ELITe MGB® PROBES*

Proprietary probes concentrating all ELITechGroup PCR technologies, designed with **Minor Groove Binder (MGB®)**, **Eclipse® Dark Quencher**, **AquaPhluor® Dye** and **Superbases®**

- Very low background and high hybridization-triggered fluorescence
- Unique quenching effects with the combined action of MGB® and Eclipse® Dark Quencher
- Exceptional specificity from shorter length probes with the MGB® moiety
- Improved sensitivity by combining the strong hybridization signal with low background
- Melt-curve analysis capability



* Luctanov, Nucleic Acids Res. 2007; 35 (5)

AQUAPHLUOR® DYE

Fluorescent compound re-emits light upon light excitation

- Optimize detection with the comprehensive range of 25 different colors from UV to far-red developed
- Utilize dyes perfectly adapted to multiplexed assays

SUPERBASES®: Super A, Super N, Super G and Super I





Engineered nucleotides selectively used to optimize primers and probes design









- Enhance A-T stability (e.g. rich A/T domains)
- Reduce secondary structure (e.g. GG self-association) and fluorescence quenching
- Confer close T_m value when paired with any bases



Transplant Pathogen Monitoring

Broadest range of Real-Time PCR assays for accurate diagnosis and monitoring of infections in immunocompromised patients



Reference	Product Description	Quantity
 RTK015PLD	CMV ELITe MGB® Kit	100
STD015PLD	CMV ELITe Standard	8
CTR015PLD	CMV ELITe Pos. Control	12
 RTS020PLD	EBV ELITe MGB® Kit	100
STD020PLD	EBV ELITe Standard	16
CTR020PLD	EBV ELITe Pos. Control	12
 RTS175PLD	BKV ELITe MGB® Kit	100
STD175PLD	BKV ELITe Standard	16
CTR175PLD	BKV ELITe Pos. Control	12
 RTS031PLD	HSV1 ELITe MGB® Kit	100
STD031PLD	HSV1 ELITe Standard	16
CTR031PLD	HSV1 ELITe Pos. Control	12
 RTS032PLD	HSV2 ELITe MGB® Kit	100
STD032PLD	HSV2 ELITe Standard	16
CTR032PLD	HSV2 ELITe Pos. Control	12
 RTS036PLD	HHV6 ELITe MGB® Kit	100
STD036PLD	HHV6 ELITe Standard	16
CTR036PLD	HHV6 ELITe Pos. Control	12
 RTS037PLD	HHV7 ELITe MGB® Kit	100
STD037PLD	HHV7 ELITe Standard	16
CTR037PLD	HHV7 ELITe Pos. Control	12
 RTS038PLD	HHV8 ELITe MGB® Kit	100
STD038PLD	HHV8 ELITe Standard	16
CTR038PLD	HHV8 ELITe Pos. Control	12
 RTS035PLD	VZV ELITe MGB® Kit	100
STD035PLD	VZV ELITe Standard	16
CTR035PLD	VZV ELITe Pos. Control	12


Reference	Product Description	Quantity
 RTS176PLD	JCV ELITe MGB® Kit	100
STD176PLD	JCV ELITe Standard	16
CTR176PLD	JCV ELITe Pos. Control	12
 RTS078PLD	Adenovirus ELITe MGB® Kit	100
STD078PLD	Adenovirus ELITe Standard	16
CTR078PLD	Adenovirus ELITe Pos. Control	12
 RTS070PLD	Parvovirus B19 ELITe MGB® Kit	100
STD070PLD	Parvovirus B19 ELITe Standard	16
CTR070PLD	Parvovirus B19 ELITe Pos. Control	12
 RTS076PLD	Enterovirus ELITe MGB® Kit	100
STD076PLD	Enterovirus ELITe Standard	16
CTR076PLD	Enterovirus ELITe Pos. Control	12
RTS100PLD	West Nile Virus ELITe MGB® Kit	100
STD100PLD	West Nile Virus ELITe Standard	16
CTR100PLD	West Nile Virus ELITe Pos. Control	12
 RTST01PLD	Toxoplasma g. ELITe MGB® Kit	100
CTR01PLD	Toxoplasma g. ELITe Pos. Control	12
 RTS130ING	HEV ELITe MGB® Kit	96
STD130ING	HEV ELITe Standard	8
CTR130ING	HEV ELITe Pos. Control	12
 RTS110PLD	Aspergillus spp ELITe MGB® Kit	100
STD110PLD	Aspergillus spp ELITe Standard	16
CTR110PLD	Aspergillus spp ELITe Pos. Control	14
 RTS150ING	Pneumocystis ELITe MGB® Kit	96
STD150ING	Pneumocystis ELITe Standard	8
CTR150ING	Pneumocystis ELITe Pos. Control	12



Meningitis

Multiplex assays for viral meningitis and encephalitis testing




Reference	Product Description	Quantity
 RTS507ING	Meningitis Viral ELITe MGB® Panel¹ HSV1, HSV2, VZV	96
CTR507ING	Meningitis Viral ELITe Pos. Control	12
 RTS523ING	Meningitis Viral 2 ELITe MGB® Panel¹ Enterovirus, Parechovirus, Adenovirus	96
CTR523ING	Meningitis Viral 2 ELITe Pos. Control	12



Reference	Product Description	Quantity
 RTS300ING	Meningitis Bacterial ELITe MGB® Kit <i>N. meningitidis</i> , <i>S. pneumoniae</i> , <i>H. influenzae</i> , <i>H. influenzae</i> type B	96
CTR300ING	Meningitis Bacterial ELITe Pos. Control	12



Sexually Transmitted Diseases

Multiplex assays to detect the main bacteria responsible for STIs







Reference	Product Description	Quantity
 RTS400ING	STI PLUS ELITE MGB® Kit <i>C. trachomatis, N. gonorrhoeae, M. genitalium, T. vaginalis</i>	96
CTR400ING	STI PLUS ELITE Pos. Control	12
 RTS098PLD	Chlamydia tr. ELITE MGB® Kit	100
CTR098PLD	Chlamydia tr. ELITE Pos. Control	12
 RTS401ING-48	Macrolide-R/MG ELITE MGB® Kit <i>M. genitalium, Macrolide resistance</i>	48
CTR401ING	Macrolide-R/MG ELITE Pos. Control	12




Reference	Product Description	Quantity
 RTK402ING	High Risk HPV ELITE Panel HPV16, HPV18 and other high risk types. Pos. Control and Primers to detect the internal control included in the kit	96
 RTK403ING	HSV1/2 ELITE MGB® Kit HSV1, HSV2, differentiation. Pos. Control and internal control included in the kit	96



Respiratory Infections

Viral, bacterial and fungal respiratory assays for patients diagnosis and monitoring

Reference	Product Description	Quantity
 RTS110PLD	Aspergillus spp ELITE MGB® Kit	100
STD110PLD	Aspergillus spp ELITE Standard	16
CTR110PLD	Aspergillus spp ELITE Pos. Control	14
 RTS120ING	MDR/MTB ELITE MGB® Kit MTB complex, Rifampicin, Isoniazid Resistance	48
CTR120ING	MDR/MTB ELITE Pos. Control	6
 RTS120PLD	MTB ELITE MGB® Kit <i>M. tuberculosis</i> complex	100
CTR120PLD	MTB ELITE Pos. Control	12
 RTS160ING	Respiratory Viral PLUS ELITE MGB® Kit Influenza A, Influenza B, RSV A/B, hMPV	96
CTR160ING	Respiratory Viral PLUS - ELITE Pos. Control	12
 RTS170ING	SARS-CoV-2 ELITE MGB® Kit	240
STD170ING	SARS-CoV-2 ELITE Standard	8
CTR170ING	SARS-CoV-2 - ELITE Pos. Control	12
 RTS170ING-96	SARS-CoV-2 ELITE MGB® Kit	96



Reference	Product Description	Quantity
 RTS553ING	Respiratory Bacterial ELITE MGB® Panel* <i>M. pneumoniae, C. pneumoniae, L. pneumophila</i>	96
CTR553ING	Respiratory Bacterial ELITE Pos. Control	12
 RTS140ING	Bordetella ELITE MGB® Kit <i>B. pertussis B. parapertussis, B. holmesii</i>	96
CTR140ING	Bordetella ELITE Pos. Control	12
 RTS150ING	Pneumocystis ELITE MGB® Kit	96
STD150ING	Pneumocystis ELITE Standard	8
CTR150ING	Pneumocystis ELITE Pos. Control	12



Healthcare Associated Infections

Comprehensive multiplex range for nosocomial infection testing and antibiotics resistance detection



Reference	Product Description	Quantity
 M800351	MRSA/SA ELITE MGB® Kit <i>Staphylococcus aureus, mecA / mecC</i>	100
M800356	MRSA/SA ELITE Pos. Control	24
 M800358	C. difficile ELITE MGB® Kit Toxin A, Toxin B including NAP1 / BI / O27 strain	100
M800373	<i>C. difficile</i> ELITE Pos. Control	24
 RTS200ING	CRE ELITE MGB® Kit KPC, IMP, VIM, NDM, OXA 48	96
CTR200ING	CRE ELITE Pos. Control	12



Reference	Product Description	Quantity
 RTS201ING	ESBL ELITE MGB® Kit CTX-M 1,9,14,15	96
CTR201ING	ESBL ELITE Pos. Control	12
 RTS202ING-48	Colistin-R ELITE MGB® Kit <i>mcr-1, mcr-2</i>	96
CTR202ING	Colistin-R ELITE Pos. Control	12



Gastrointestinal Infections

Complete range dedicated to the detection of the main pathogens responsible for Gastroenteritis


Reference	Product Description	Quantity
 RTK561ING	Norovirus ELITE Panel Genotypes I & II Pos. Control and internal control included in the kit	96
 RTK562ING	Gastrointestinal Viral ELITE Panel Rotavirus, Adenovirus, Astrovirus Pos. Control and internal control included in the kit	96

Reference	Product Description	Quantity
 RTK573ING	Gastrointestinal Bacterial ELITE Panel** <i>Salmonella, Campylobacter, Yersinia</i> Pos. Control and internal control included in the kit	96
 RTK574ING	Gastrointestinal Parasitic ELITE Panel** <i>Gardia lamblia, C. parvum, Entamoeba Histolytica</i> Pos. Control and internal control included in the kit	96



Genetics

Multiplex assay for the allelic discrimination of the main variants associated with venous thromboembolism: Factor V Leiden, Factor II G20210A, MTHFR C677T

Reference	Product Description	Quantity
 RTSD00ING	Coagulation ELITE MGB® Kit Factor V, Factor II and MTHFR variants	96
CTRD00ING	Coagulation ELITE Pos. Control	12



Oncohematology

One-step Real-Time PCR assays for diagnosis and monitoring of BCR-ABLt(9;22) positive Leukemia. The products BCR-ABL P190 assay, BCR-ABL P210 assay and P210 RNA calibrator are calibrated against the WHO Standard and are compliant with the European Leukemia Network Standard

Reference	Product Description	Quantity
RTSG07PLD210	BCR-ABL P210 ELITE MGB® Kit §	50 x 2
STDG07PLD210	BCR-ABL P210 ELITE Standard	8
SPG07-210	Philadelphia P210 RNA Reference	5

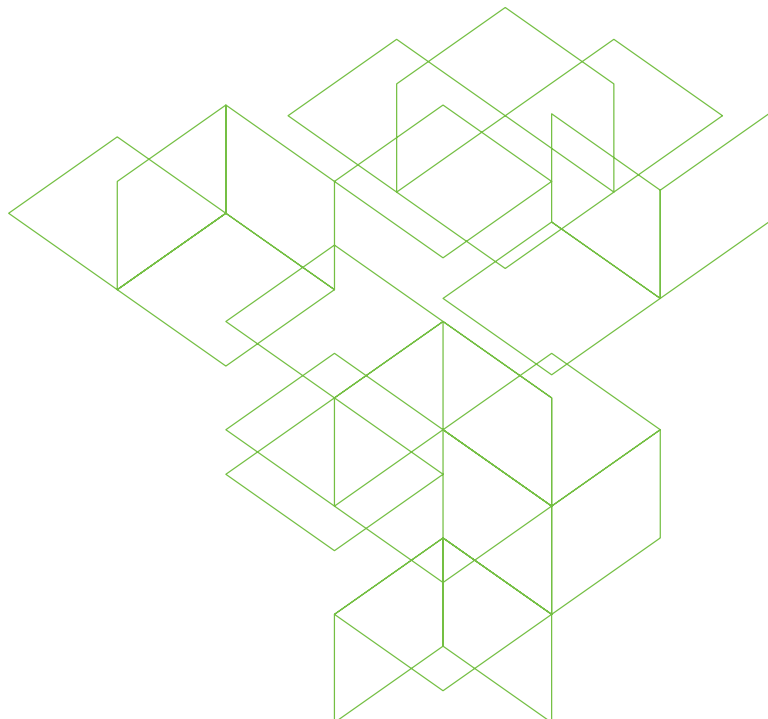
Reference	Product Description	Quantity
RTSG07PLD190	BCR-ABL P190 ELITE MGB® Kit §	50 x 2
STDG07PLD190	BCR-ABL P190 ELITE Standard	8

 Real-Time PCR assay CE-IVD marked in combination with ELITE InGenius®, the fully automated Sample-to-Result Solution

*ELITE MGB® panels are only available in combination with ELITE InGenius®

**Assays in Development

§ Assay under validation on ELITE InGenius®



About ELITechGroup

A pioneer in PCR technologies for more than 30 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 innovation culture, combined with the highest manufacturing quality standard and long-lasting collaborations with customers and international working groups enables us to design and manufacture superior CE-IVD Real-Time PCR assays with unsurpassable performance for laboratories and clinicians.

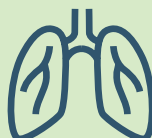
High value diagnostic solutions for better medical decisions



Transplant Pathogen Monitoring



Healthcare Associated Infections



Respiratory Infections



Sexually Transmitted Infections



Meningitis



Genetics



Oncohematology



Gastrointestinal Infections



ELITechGroup is certified by DEKRA and applies a quality management system in compliance with ISO 9001:2015 and EN ISO 13485:2016

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