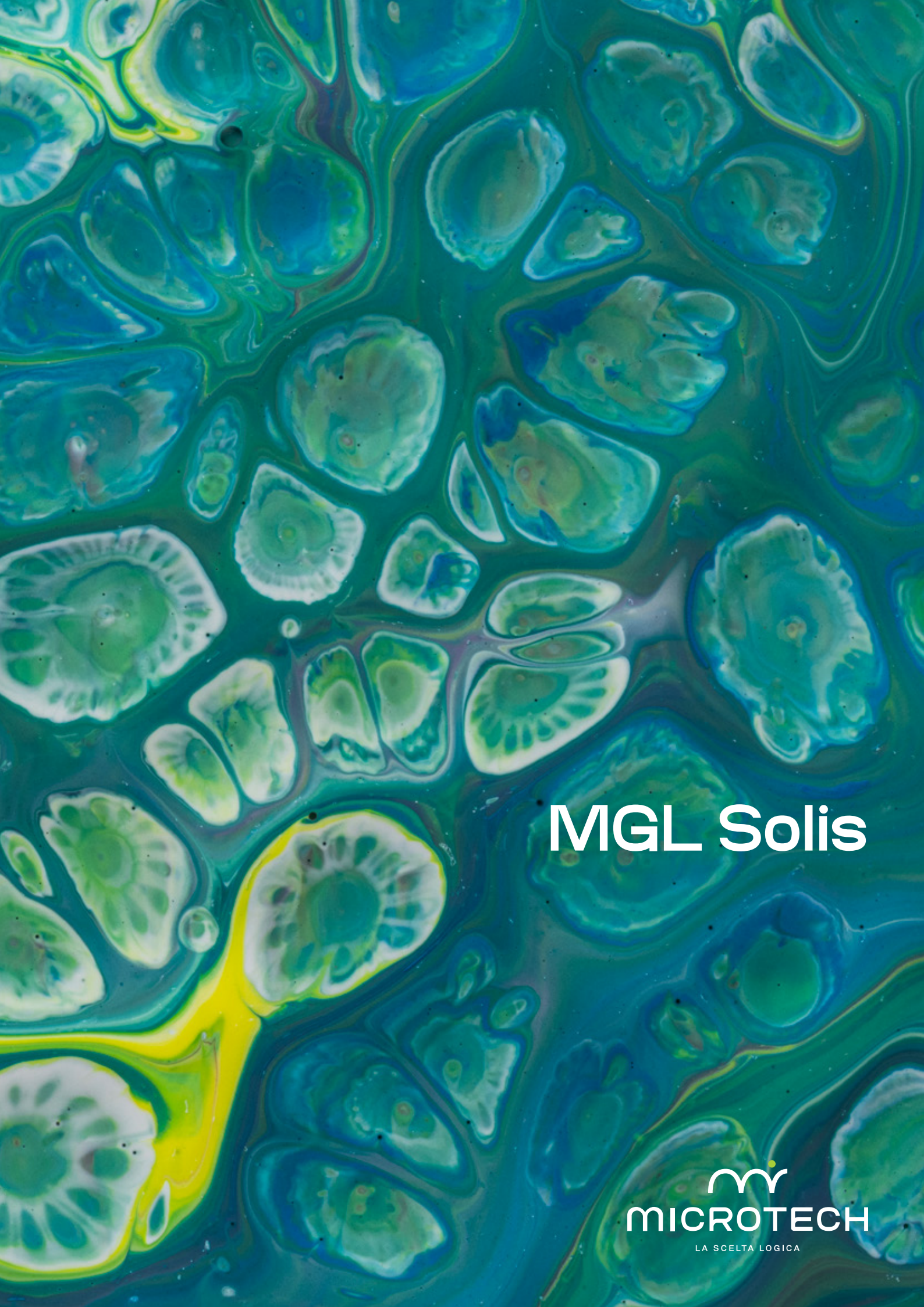




MGL Solis


MICROTECH
LA SCELTA LOGICA

MGL FAST

Master Mix, Ready to Load

Extremely fast end-point PCR mix for robust and accurate target detection for single- and multiplex reactions:

- ✓ PCR Results in 20 minutes
- ✓ analyze one or multiple targets per reaction
- ✓ load directly on gel after PCR



PCR

Catalog Number	Description	Prices
24-02-00001	MGL-FAST Master Mix, Ready to Load 1 ml 250 rxn	€116,80
24-02-00001-5	MGL-FAST Master Mix, Ready to Load 5 ml 1250 rxn	€553,13
24-02-00020	MGL-FAST Master Mix, Ready to Load 20 ml 5000 rxn	€2.114,24

MGL Script RT cDNA Synthesis Kit

Superior specificity with gene-specific primers in flexible kit format

Novel in silico-engineered, thermostable reverse transcriptase with reduced RNase H activity. MGL Script RT is extremely stable and will remain fully active for up to one month at room temperature.

- ✓ superior specificity with gene-specific primers
- ✓ wide reaction temperature 37°C - 60°C
- ✓ reaction set-up and shipment without dry ice
- ✓ in flexible 6-tube kit format



cDNA Synthesis

Catalog Number	Description	Prices
06-35-00050	MGL Script RT cDNA synthesis KIT 50 rxn 20 µl rxn	€159,90
06-35-00200	MGL Script RT cDNA synthesis KIT 200 rxn 20 µl rxn	€609,40

MGL FIREScript RT cDNA synthesis MIX

Convenient cDNA synthesis mix with fast and robust FIREScript Reverse Transcriptase

Genetically modified MMLV-based reverse transcriptase with increased thermostability and improved performance at elevated temperatures

- ✓ high specificity and yield
- ✓ wide reaction temperature from 37°C to 60°C
- ✓ fast 15 min reaction time
- ✓ a convenient 3-vial kit with all reaction components
- ✓ reaction set-up and shipment without ice



cDNA Synthesis

Catalog Number	Description	Prices
06-20-00100	MGL FIREScript RT cDNA synthesis MIX Oligo (dT) and Random Primers 100 rxn 100 x 20 µl rxn	€ 290,80
06-35-00200	MGL FIREScript RT cDNA synthesis MIX Oligo (dT) and Random Primers 200 rxn 500 x 20 µl rxn	€ 1.373,50

MGL Script 1-step MGL Green Kit 2.0

Highly sensitive dye-based one-step RT-qPCR kit with improved detection of low-copy target

- ✓ cDNA synthesis and dye-based qPCR in one reaction
- ✓ Great PCR efficiency – reliable and easy-to-analyze results
- ✓ High sensitivity – great when working with low concentrated samples
- ✓ Excellent fluorescence levels
- ✓ Convenient reaction set-up at room temperature
- ✓ Environmentally friendly – worldwide ice-free shipping



RT-qPCR

Catalog Number	Description	Prices
08-91-00250	MGL Script 1-step MGL Green Kit 2.0 250 rxn 250 x 20 µl rxn	€ 381,00

PERFORMANCE

MGL FAST / MGL Green qPCR Mix

Extremely fast and highly sensitive
dye-based qPCR

Extremely fast and highly sensitive dye-based
qPCR for most demanding applications

- ✓ qPCR results 2x faster
- ✓ highly sensitive MGLGreen® dye
- ✓ reaction set-up and shipment without dry ice



qPCR

Catalog Number	Description	Prices
28-46-00001	MGL FAST MGL Green qPCR Mix - ✓ Rox 1 ml 250 rxn	€ 92,56
28-41-00001	MGL FAST MGL Green qPCR Mix - ✗ No Rox 1 ml 250 rxn	€ 92,56
28-46-00001-5	MGL FAST MGL Green qPCR Mix - ✓ Rox 5x1 ml 1250 rxn	€ 578,50
28-41-00001-5	MGL FAST MGL Green qPCR Mix - ✗ No Rox 5x1 ml 1250 rxn	€ 614,63
28-46-00020	MGL FAST MGL Green qPCR Mix - ✓ Rox 20 ml 5000 rxn	€ 2.198,80
28-41-00020	MGL FAST MGL Green qPCR Mix - ✗ No Rox 20 ml 5000 rxn	€ 2.336,08

ROUTINE

MGL HOT FIREPoI MGL Green qPCR Supermix

Highly specific and reproducible dye-based qPCR Mix with blue visualization dye for easy pipetting

Optimized ready-to-use solution for dye-based real-time quantitative PCR assays. This master mix has been developed to give highly specific and sensitive results and demonstrates excellent performance with GC-rich regions.

- ✓ high sensitivity with low DNA concentrations
- ✓ blue dye to ease pipetting
- ✓ reduced primer dimer formation
- ✓ one qPCR mix for all cyclers (except capillary and high ROX* cyclers)
- ✓ contains dUTP to prevent carryover contamination with UNG treatment



qPCR

Catalog Number	Description	Prices
08-36-00001	MGL HOT FIREPoI MGL Green qPCR Supermix 1 ml 250 rxn	€ 104,12
08-36-00001-5	MGL HOT FIREPoI MGL Green qPCR Supermix 5x1 ml 1250 rxn	€ 520,62
08-36-00001-10	MGL HOT FIREPoI MGL Green qPCR Supermix 10x1ml 2500 rxn	€ 994,67
08-36-00020	MGL HOT FIREPoI MGL Green qPCR Supermix 20 ml 5000 rxn	€ 1.897,28

ROUTINE

MGL HOT FIREPoI EvaGreen qPCR Mix Plus

Cost-effective dye-based qPCR Mix
with passive reference dye

- ✓ high sensitivity and specificity
- ✓ excellent efficiency
- ✓ reaction set-up and shipment without dry ice
- ✓ cost-effective solution for a wide range of applications

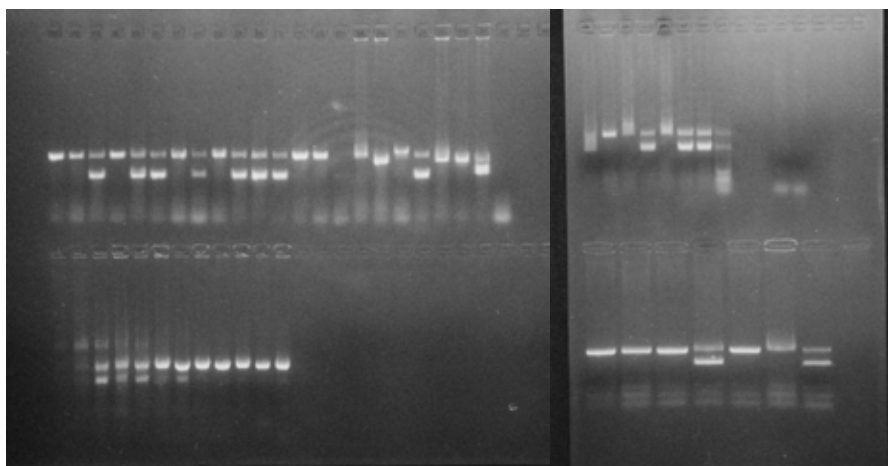


qPCR

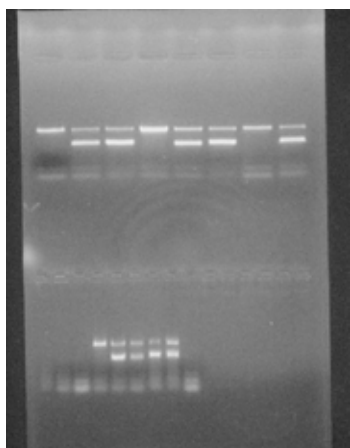
Catalog Number	Description	Prices
08-24-00001	MGL HOT FIREPoI EvaGreen qPCR Mix Plus - ✓ Rox 1 ml 250 rxn	€ 92,56
08-25-00001	MGL HOT FIREPoI EvaGreen qPCR Mix Plus - ✗ No Rox 1 ml 250 rxn	€ 92,56
08-24-00001-5	MGL HOT FIREPoI EvaGreen qPCR Mix Plus - ✓ Rox 5x1 ml 1250 rxn	€ 462,79
08-25-00001-5	MGL HOT FIREPoI EvaGreen qPCR Mix Plus - ✗ No Rox 5x1 ml 1250 rxn	€ 462,79
08-24-00001-10	MGL HOT FIREPoI EvaGreen qPCR Mix Plus - ✓ Rox 10x1 ml 2500 rxn	€ 879,54
08-25-00001-10	MGL HOT FIREPoI EvaGreen qPCR Mix Plus - ✗ No Rox 10x1 ml 2500 rxn	€ 879,54
08-24-00001-20	MGL HOT FIREPoI EvaGreen qPCR Mix Plus - ✓ Rox 20 ml 5000 rxn	€ 1.688,90
08-25-00001-20	MGL HOT FIREPoI EvaGreen qPCR Mix Plus - ✗ No Rox 20 ml 5000 rxn	€ 1.688,90

REFERENCE

HOT FIREPol® Blend Master Mix with 12.5 mM MgCl₂
(cod. 04-27-00125)



MGLFAST® Master Mix Ready to Load (cod. 24-02-00001)



Risultati dei test sulle due mastermix:

- **MGL HOT FIREPol® Blend Master Mix with 12.5 mM MgCl₂** - Size: 0,1ml (25 rxn)
- **MGLFAST® Master Mix, Ready to Load** - Size: 0,2ml (50 rxn)

Entrambe le mix hanno performato bene su campioni di matrice eterogenea, estratti sia da kit commerciali che tramite step in NaOH (idrossido di sodio 0,1 M).

La **master mix MGL Hot Fire** (con attività di proofreading) risulta essere ottimale per campioni destinati al sequenziamento.

La **master mix MGLFast** è ottima per analisi PCR-EndPoint.

Dr. Agnese Saporiti
FEM2 - Ambiente (Food, Environment, ManageMent)
fem2ambiente.com



ADDITIONAL REAGENTS - DNA LADDER

MGL 100 bp DNA Ladder Ready to Load

13 discrete DNA fragments from 100
bp to 3000 bp

The 100 bp DNA Ladder is a ready-to-load molecular weight marker suitable for DNA fragment size determination on gel electrophoresis

- ✓ thirteen crisp bands
- ✓ stable at room temperature
- ✓ tracking dye included



DNA Ladder

Catalog Number	Description	Prices
07-11-00050	MGL 100 bp DNA Ladder Ready to Load 50 µg 500 µl	€ 60,66
07-11-00050-5	MGL 100 bp DNA Ladder Ready to Load 250 µg (5 x 50 µg) 2,5 ml	€ 287,06
07-11-00050-10	MGL 100 bp DNA Ladder Ready to Load 500 µg (10 x 50 µg) 5 ml	€ 574,06

ADDITIONAL REAGENTS - DNA LADDER

MGL 1 kb DNA Ladder Ready to Load

13 discrete DNA fragments ranging
from 250 bp to 10000 bp

The 1 kb DNA Ladder is a ready-to-use molecular weight marker suitable for DNA fragment size determination on gel electrophoresis

- ✓ thirteen crisp bands
- ✓ stable at room temperature
- ✓ two tracking dyes



DNA Ladder

Catalog Number	Description	Prices
07-12-00050	MGL 1 kb DNA Ladder Ready to Load 50 µg 500 µl	€ 45,66
07-12-00050-10	MGL 1 kb DNA Ladder Ready to Load 10 x 50 µg 500 µl	A RICHIESTA

BUFFERS

MGL RiboGrip® RNase Inhibitor (220U/μl)

Novel in silico engineered,
proteinbased RNase inhibitor

- ✓ Exceptional stability – stable for up to 60 °C for 1 hour
- ✓ Unique high concentration formulation
- ✓ Efficient protection of RNA at low DTT concentrations



DNA Ladder

Catalog Number	Description	Prices
06-26-4000U	MGL RiboGrip® RNase Inhibitor (220U/μl) 4000 U 18 μl	€ 108,06
06-26-010kU	MGL RiboGrip® RNase Inhibitor (220U/μl) 10000 U 45 μl	€ 260,06

BUFFERS

MGL Salini UNG® Uracil-N-Glycosylase

Fast and robust heat-labile
Uracil-N-Glycosylase

- ✓ Stable at 25 °C for at least 3 months and at 37 °C 2 weeks
- ✓ Heat-labile enzyme (compatible with Sanger sequencing). No reactivation is detected after heat inactivation.
- ✓ Fast 30 second reaction time
- ✓ Tolerant to common inhibitors
- ✓ Reaction set-up and shipment without ice
- ✓ Glycerol-free formulation is available



DNA Ladder

Catalog Number	Description	Prices
31-01-00100	MGL Salini UNG® Uracil-N-Glycosylase 100 U 100 µl	€ 82,10
31-01-00100-5	MGL Salini UNG® Uracil-N-Glycosylase 500 U (5 x 100 U) 5 x 100 µl	€ 410,50



www.microtech.eu

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