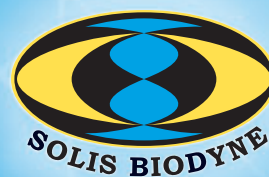


Solis BioDyne

Product Catalogue 2012



From Solutions To Success

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Message from Solis BioDyne's Managing Director

Dear Partners,

Looking back over the past years, I can see with pride that Solis has come a long way. Thanks to its dedicated team, loyal partners and constant search for increased quality in products and customer support, Solis BioDyne has become a major manufacturer of top quality PCR reagents. We are most grateful to our clients who have made this possible, and we guarantee that we will keep working with the same passion and professionalism. The experience we gathered has proven to us the importance of personal service, so please remember that beyond this catalogue, our team is ready and eager to discuss and assist you in the best possible way. Your trust gives us incredible motivation- thank you!

Sincerely,
Kadri Artma, Managing Director



Solis BioDyne



Product development

Solis BioDyne's research and development team is constantly increasing our portfolio with new and innovative products.

Production

At Solis BioDyne we produce molecular biology reagents of highest quality. Our principle products include various DNA Polymerases with exceptional stability at ambient temperature.



Aliquoting

Precise aliquoting of our products performed by skilled professionals is carried out in sterile conditions using top quality equipment.

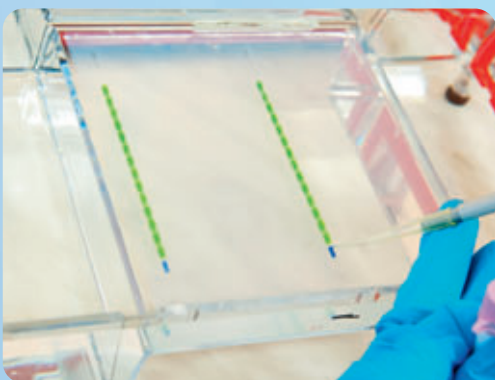
Labeling

Perdurable first-class material is used for Solis BioDyne product labels. Each label is applied to vials with intimate care and high precision.



Packaging

Products are packaged into different vial sizes according to customer's needs and convenience. Only high quality screw-cap tubes are used. Light sensitive reagents are packaged into dark-colored vials to avoid damage.



Quality control

Every product goes through strict quality control procedures according to our management systems based on ISO 9001 in order to guarantee superior and consistent performance of our products.



Our Technology	qPCR Mixes	PCR Mixes	Hot-Start Taq	Taq	Nucleotides Ladders Loading Dyes	MALDI-TOF	Ordering
4	6	10	12	13	14	16	17



International presence

Solis BioDyne regularly participates in trade shows and conferences to keep in touch with market trends and to maintain a close contact with local customers.

Distribution

Solis BioDyne has a growing worldwide network of dedicated distributors. Our distributors share our high standards in service and technical support.



I recently imported a number of reagents from Solis BioDyne, unfortunately due to a stubborn Pakistani customs officer our shipment got stuck at room temperature (+40 °C) in a customs store house. When we finally received the shipment after two months I was not very hopeful that the reagents would work, but to my utter amazement all of them performed excellently in PCR amplifications. I am really pleased with the results and the extremely cooperative Solis BioDyne customer support that we got throughout the ordeal.

Prof. Dr. Raheel Qamar

Dean of Research, Innovation & Commercialization
COMSATS Institute of Information Technology
ISLAMABAD, PAKISTAN



Regular insulated packaging



Solis BioDyne packaging

Logistics

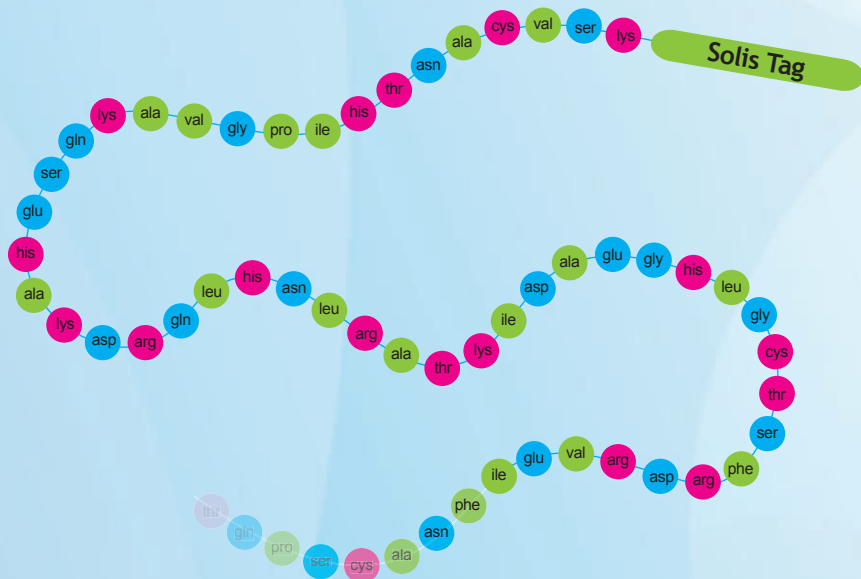
Thanks to our Solis Tag technology all Solis BioDyne products are shipped at ambient temperature - a very environment-friendly approach when compared to shipping on ice. Product orders are sent out within three days using the courier company most suitable for the client.

Environmental and transport friendly

Not only does ambient temperature stability eliminate concern over degradation during transportation but it also reduces shipping costs and disposal costs of expensive insulated packaging, making the product friendly to the environment and user's budget.

Solis BioDyne	Our Technology	qPCR Mixes	PCR Mixes	Hot-Start Taq	Taq	Nucleotides Ladders Loading Dyes	MALDI-TOF	Ordering
2		6	10	12	13	14	16	17

Our technology

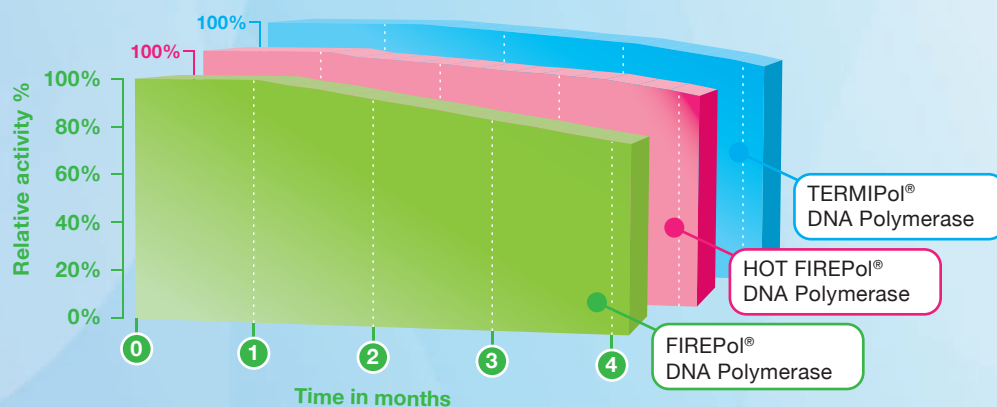


Solis Tag is the technology by which we are able to create highly stable proteins without compromising the properties of the protein itself. It has allowed us to produce products such as FIREPol® our ambient temperature stable Taq Polymerase.

Enhanced stability of proteins in solution

Solis Tag increases protein shelf-life and its tolerance for temperature at a wider scale. It has been shown to prevent self-hydrolysis of Taq Polymerase.

Great stability at ambient temperature



Exceptional stability at ambient temperature

All enzymes produced at Solis BioDyne are exceptionally stable at ambient temperature achieved through product specific genetic modifications. When stored at ambient temperature for up to one month, enzyme integrity is guaranteed with no degradation of quality.

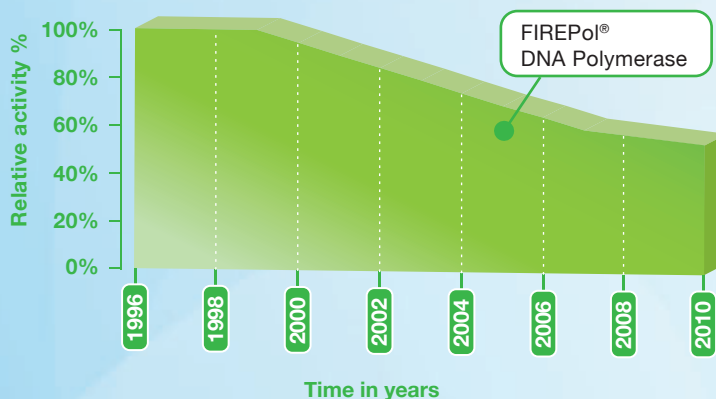
Long term stability at -20°C

In addition to excellent stability at ambient temperature, enzymes produced at Solis BioDyne also exhibit extraordinarily long shelf life. Even after 14 years, our first batch of FIREPol® DNA Polymerase gives satisfactory results in PCR.

Repetitive freeze and thaw cycles

Due to their exceptional stability, Solis BioDyne products can be frozen and thawed over 50 times without any activity loss, resulting in high user confidence of reagent performance right to the the last reaction.

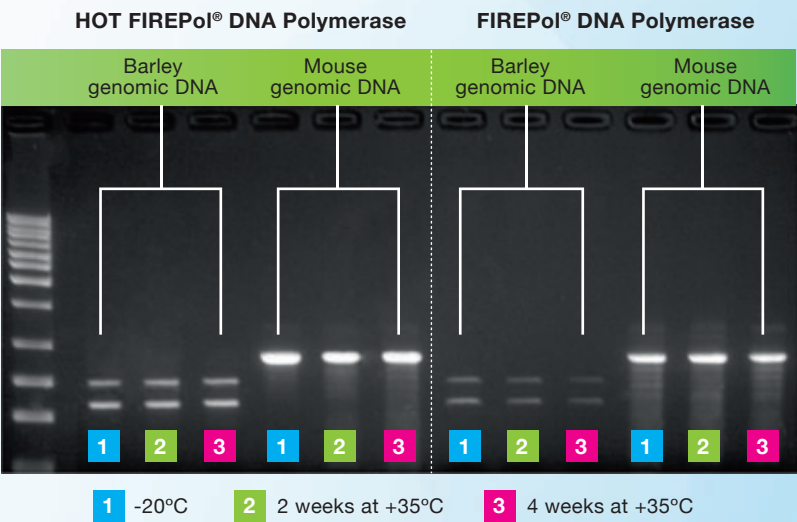
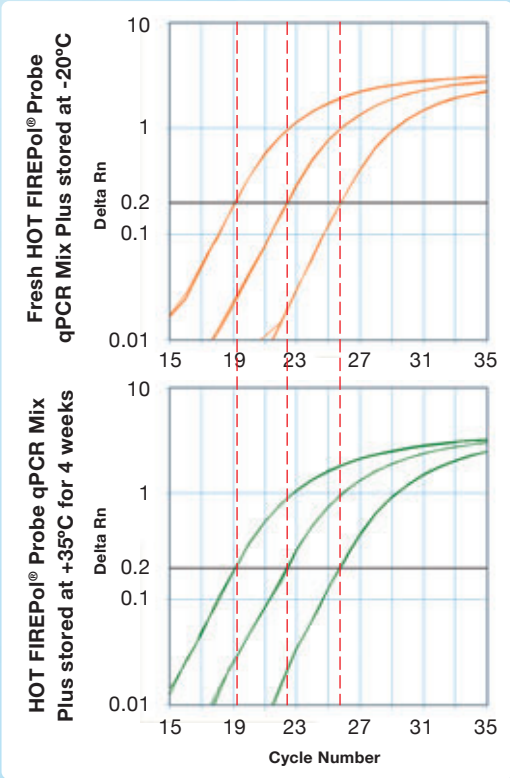
Great stability at -20°C



Solis BioDyne	Our Technology	qPCR Mixes	PCR Mixes	Hot-Start Taq	Taq	Nucleotides Ladders Loading Dyes	MALDI-TOF	Ordering
2		6	10	12	13	14	16	17

Stable even at +35°C

Recently, our products were tested for stability at +35°C. No change in performance was detected between a fresh lot of qPCR Mix kept at -20°C and the qPCR mix stored at +35°C for four weeks. Also, our primary enzymes FIREPol® and HOT FIREPol® DNA Polymerase exhibited no alterations in performance even after four weeks at +35°C.



Reaction set-up in +4° C room



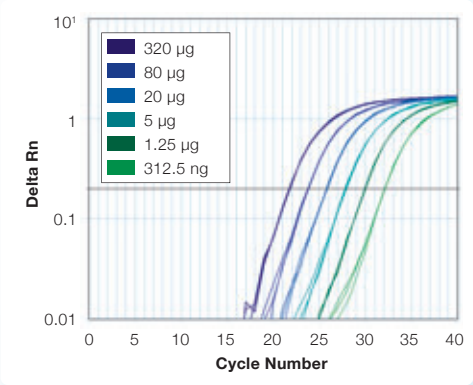
Reaction set-up at room temperature

Convenient set-up at ambient temperature

As all Solis BioDyne products are stable at ambient temperature, reaction set-up does not require ice or special conditions (+4 °C room). There is no need for frequent visits to the freezer, no need for ice paths to be constantly replenished and the reagents can be safely left on the work bench until a procedure is finished. This feature is especially valuable for

users of high throughput platforms where keeping reaction conditions cold for hours is quite challenging. Using Solis BioDyne Mixes at room temperature will not affect the reaction performance. No loss of activity was detected after 5x Mix was kept at 35°C for a month.

Solis BioDyne	Our Technology	qPCR Mixes	PCR Mixes	Hot-Start Taq	Taq	Nucleotides Ladders Loading Dyes	MALDI-TOF	Ordering
2	4		10	12	13	14	16	17



Higher precision and wider scale

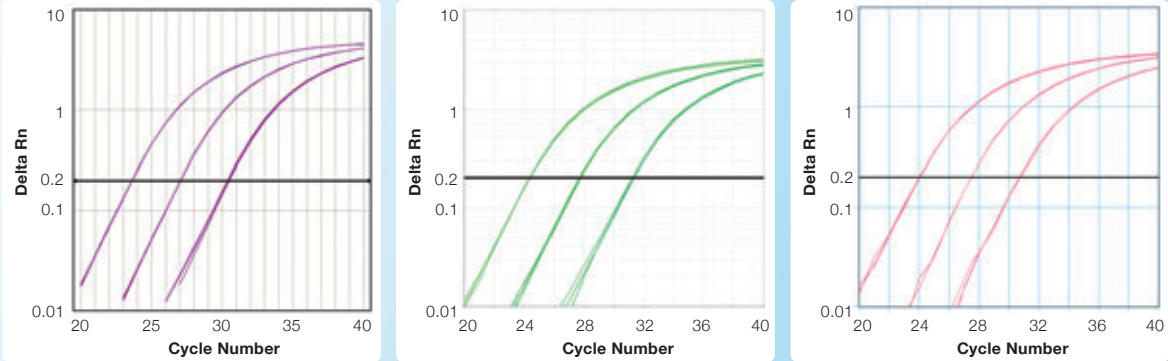
All qPCR mixes from Solis BioDyne are produced as 5x mixes that occupy only one fifth of the reaction final volume leaving 2.5 times more room for the template compared to 2x mixes. This is highly advantageous when making wide-range serial dilutions or in case of gene expression studies where the concentration of the target gene is very low. Using the 5x mix enables the researcher to add more cDNA to the reaction which can result in better precision and lower Cycle threshold (Ct) values.

Light protective packaging

DNA intercalating dye EvaGreen® and reference dye ROX necessary in many qPCR mixes are sensitive to light and therefore require protective shielding. Solis BioDyne packages all these qPCR mixes in special dark tubes to prevent harm from potential light exposure during transportation and reaction set-up.



One mix for all cyclers requiring ROX



Compatibility with different cyclers requiring ROX

Identical tenfold dilutions of 72 bp fragment of *Albumin* gene were simultaneously amplified with HOT FIREPol® Probe qPCR Mix Plus on three different platforms: Applied Biosystems 7500 Fast Real-Time PCR System (purple), Applied Biosystems StepOnePlus™ (green) and Applied Biosystems 7900HT Real-Time PCR System (pink).

Mix compatibility table

qPCR platforms	Probe based approach	Intercalating dye based approach
Applied Biosystems: 7900HT, 7500, 7700, 7000, StepOne™ & StepOnePlus™ Stratagene: Mx3000P™ & Mx3005P™	5x HOT FIREPol® Probe qPCR Mix Plus (ROX)	5x HOT FIREPol® EvaGreen® qPCR Mix Plus (ROX)
Bio-Rad: CFX96™ & CFX384™, iQ™5 & MyiQ™, Chromo4™, Opticon® 2 & MiniOpticon® Qiagen: Rotor-Gene® Q, Rotor-Gene® 6000; Eppendorf Mastercycler®: ep realplex² & ep realplex⁴; Illumina: The Eco™ ; Roche: LightCycler® 480	5x HOT FIREPol® Probe qPCR Mix Plus (no ROX)	5x HOT FIREPol® EvaGreen® qPCR Mix Plus (no ROX)
Roche: LightCycler® 1.x, LightCycler® 2.0	5x HOT FIREPol® Probe qPCR Mix Plus (Capillary)	5x HOT FIREPol® EvaGreen® qPCR Mix Plus (Capillary)

HOT FIREPol is a trademark of Solis BioDyne. Applied Biosystems and ROX are trademarks of the Applera Corporation. Stratagene, MX3005, MX3005P are trademarks of Stratagene Corporation. Mastercycler is a trademark of Eppendorf AG. Rotor-Gene is a registered trademark of Corbett Research (Qiagen). CFX96, CFX384, iQ, MyiQ, Chromo4, Opticon 2, MiniOpticon are trademarks of Bio-Rad Laboratories. LightCycler is a registered trademark of Roche Applied Sciences. The Eco is registered trademark of Illumina Inc. EvaGreen is a registered trademark of BIOTIUM, INC.

5x HOT FIREPol® Probe qPCR Mix Plus

Description

HOT FIREPol® Probe qPCR Mix Plus is an optimized ready-to-use solution for real-time quantitative PCR assays with all the components necessary to perform qPCR: HOT FIREPol® DNA Polymerase, ultrapure dNTPs, MgCl₂ and ROX dye according to system requirements. The user simply needs to add water, template, probe and primers. HOT FIREPol® Probe qPCR Mix Plus is compatible for use with most real-time thermal cyclers.

HOT FIREPol® DNA Polymerase is inactive at ambient temperatures and therefore requires an incubation step at 95°C for 15 minutes prior to qPCR. This prevents the extension of nonspecifically annealed primers and primer-dimers being formed at low temperatures, during qPCR set-up.

Features

- **High sensitivity with broad dynamic range**
- **Unique stability at ambient temperature**
- **Convenient ready-to-use solution**
- **Reaction set-up without using ice**
- **Available with ROX reference dye and without ROX**
- **Mixes compatible with most real-time thermal cyclers**

Applications

- Detection and quantification of DNA and cDNA targets
- Profiling gene expression
- Genotyping
- Microbial detection
- Viral load determination

Quality control

- Functional quality control via real-time PCR on different genomic templates
- Tests for stability at ambient temperature
- Tests for multiple freeze-thaw cycles

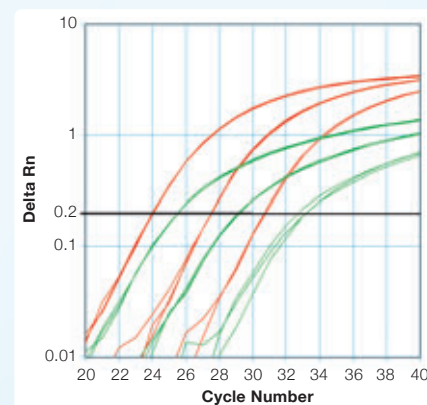
*As part of our Molecular Epidemiological Research, we find the **HOT FIREPol® qPCR Probe Mix** very useful in testing common variants such **MTHFR C677T**, and coagulation factors **FII** and **FVLeiden**. The results are remarkably consistent and robust. Must Try!*

Dr. Joseph Borg
University of Malta | MALTA

Order Information

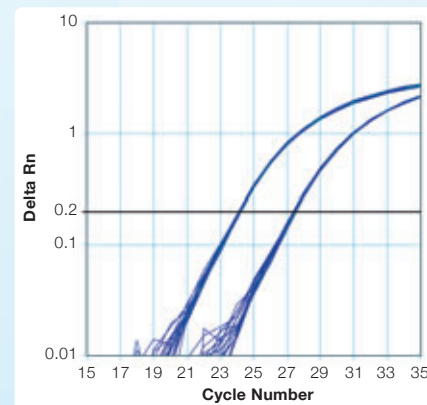
PRODUCT	CONTENT	CAT. NO.	RXN/20µl	SIZE/ml	PRICE
5x HOT FIREPol® Probe qPCR Mix Plus (ROX)	HOT FIREPol® DNA Polymerase, 5x Probe qPCR buffer, 15 mM MgCl ₂ , dNTPs, ROX dye	08-14-0000S	50	0.2	Free sample!
		08-14-00001	250	1	Please inquire!
		08-14-00020	5000	20	Please inquire!
5x HOT FIREPol® Probe qPCR Mix Plus (no ROX)	HOT FIREPol® DNA Polymerase, 5x Probe qPCR buffer, 15 mM MgCl ₂ , dNTPs	08-15-0000S	50	0.2	Free sample!
		08-15-00001	250	1	Please inquire!
		08-15-00020	5000	20	Please inquire!
5x HOT FIREPol® Probe qPCR Mix Plus (Capillary)	HOT FIREPol® DNA Polymerase, 5x Probe qPCR buffer, 15 mM MgCl ₂ , dNTPs, BSA	08-16-0000S	50	0.2	Free sample!
		08-16-00001	250	1	Please inquire!
		08-16-00020	5000	20	Please inquire!

Performance Data of Probe Mix



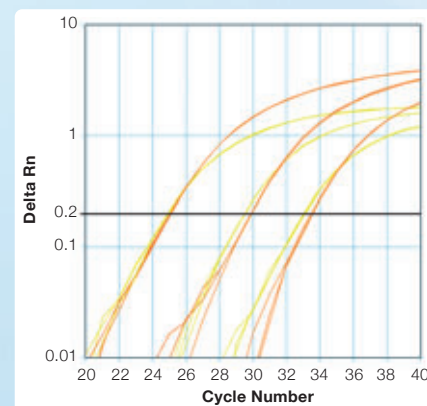
Highly competitive

Three tenfold dilutions of 72 bp fragment of *Albumin* gene were amplified from human genomic DNA using HOT FIREPol® Probe qPCR Mix Plus (red) and a qPCR mix from Company A (green). Reactions were performed on Applied Biosystems 7900HT Real-Time PCR System following cycling protocols recommended by the supplier.



Excellent reproducibility

Twenty independent amplifications of each dilution show high uniformity and reproducibility of HOT FIREPol® Probe qPCR Mix Plus. Amplification was performed on human genomic DNA using Applied Biosystems 7900HT Real-Time PCR System following cycling protocols recommended by the supplier.



Multiplex compatible

Amplification of FAM labelled target *SNAI1* (orange) and VIC labelled reference gene *HPRT* (yellow) was performed in a single reaction using HOT FIREPol® Probe qPCR Mix Plus. This multiplex qPCR was carried out on three tenfold dilutions of human placental cDNA on Applied Biosystems 7900HT Real-Time PCR System.

Free product samples can be ordered via e-mail: solis@sbd.ee, via skype: [solis.biodyne](https://www.skype.com/en/contacts/solis.biodyne), via fax: +372 7 402079 or via our web site: www.sbd.ee

Current prices and conditions are valid until Dec 31, 2012

Some applications these products are used in may require a license which is not provided by the purchase of these products. Users should obtain the license if required.

Solis BioDyne	Our Technology	qPCR Mixes	PCR Mixes	Hot-Start Taq	Taq	Nucleotides Ladders Loading Dyes	MALDI-TOF	Ordering
2	4		10	12	13	14	16	17

5x HOT FIREPol® EvaGreen® qPCR Mix Plus

Description

HOT FIREPol® EvaGreen® qPCR Mix Plus is an optimized ready-to-use solution for real-time quantitative PCR assays, incorporating EvaGreen® dye. It comprises all the components necessary to perform qPCR: HOT FIREPol® DNA Polymerase, ultrapure dNTPs, MgCl₂ and ROX dye according to system requirements. The user simply needs to add water, template and primers.

EvaGreen® has several features such as high sensitivity, low PCR inhibition and room ambient stability that set it apart from other DNA-binding dyes used for quantitative real-time PCR applications.

HOT FIREPol® DNA Polymerase is inactive at ambient temperatures and therefore requires an incubation step at 95°C for 15 minutes prior to qPCR. This prevents the extension of mis-primed products and primer-dimers formed at low temperatures during qPCR setup.

EvaGreen® dye

- **Highly sensitive** – produces the most robust PCR signal when used at the recommended concentration
- **Low PCR inhibition** – exhibits much less PCR inhibition than other detection dyes via a smart "release on demand" DNA-binding technology
- **Extremely stable** – simply indestructible under most biochemical conditions. Can be stored at room ambient and be subject to repeated freeze-thaw cycles
- **Spectrally similar to other popular dyes** – compatible with all major brand real-time thermal cyclers
- **Nonmutagenic and noncytotoxic**

Features

- **High sensitivity with broad dynamic range**
- **Unique stability at ambient temperature**
- **Based on EvaGreen® dye**
- **Convenient ready-to-use solution**
- **Reaction set-up without using ice**
- **Available with ROX reference dye and without ROX**
- **Mixes compatible with most real-time thermal cyclers**

Applications

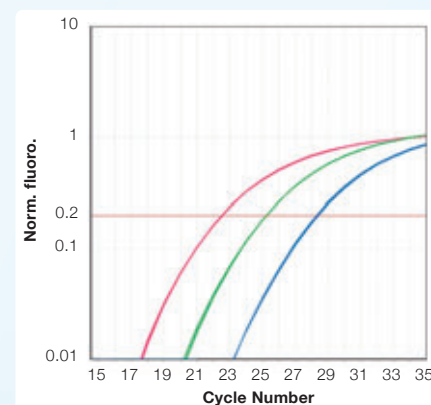
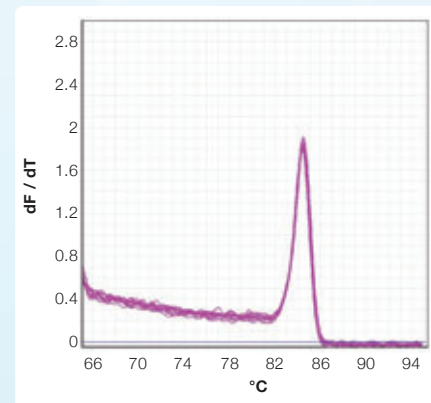
- Detection and quantification of DNA and cDNA targets
- Profiling gene expression
- Genotyping
- Microbial detection
- Viral load determination
- High Resolution Melt Analysis

I regularly use your EvaGreen® qPCR Mix in gene expression assays. It is great value for money and, more importantly, works well allowing good detection sensitivity.

Dr. Aaron Jeffries

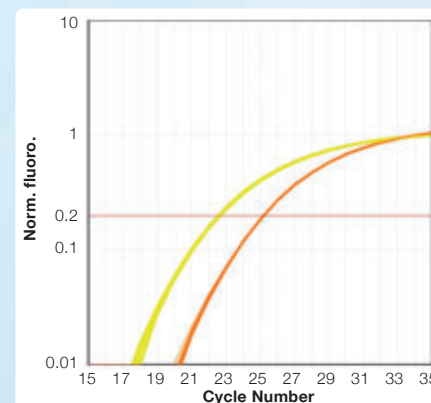
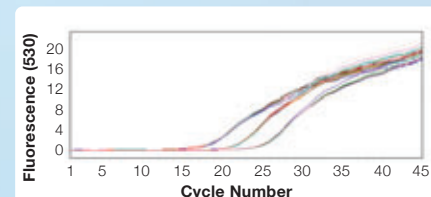
King's College London, Institute of Psychiatry | GREAT BRITAIN

Performance data of EvaGreen qPCR Mix



Excellent sensitivity and specificity

The amplification of 98 bp fragment of *GAPDH* gene exhibits sensitive and efficient reaction curves (upper graph) with highly specific peak in melt curve analysis (lower graph) using HOT FIREPol® EvaGreen® qPCR Mix Plus (no ROX). Amplification was performed on human genomic DNA using Rotor-Gene® 6000 qPCR cycler following cycling protocols recommended by the supplier.



High reproducibility on various qPCR cyclers

Twenty independent amplifications of each dilution show high uniformity and reproducibility on different qPCR platforms. The reactions were carried out on Corbett Rotor-Gene® 6000 (upper graph) using HOT FIREPol® EvaGreen® qPCR Mix Plus (no ROX) and Roche LightCycler 1.5 (lower graph) using HOT FIREPol® EvaGreen® qPCR Mix Plus (Capillary).

Solis BioDyne	Our Technology	qPCR Mixes	PCR Mixes	Hot-Start Taq	Taq	Nucleotides Ladders Loading Dyes	MALDI-TOF	Ordering
2	4		10	12	13	14	16	17

EvaGreen® is a registered trademark of BIOTIUM, INC.

5x HOT FIREPol® EvaGreen® HRM Mix

Description

HOT FIREPol® EvaGreen® HRM Mix is an optimized ready-to-use solution for High Resolution Melt (HRM) Analysis, incorporating EvaGreen® dye. It includes: HOT FIREPol® DNA Polymerase, ultrapure dNTPs, MgCl₂ and ROX dye according to system requirements.

Features

- Sensitive HRM genotyping
- Unique stability at ambient temperature
- Based on EvaGreen® dye
- Convenient ready-to-use solution
- Reaction set-up without using ice

Quality control

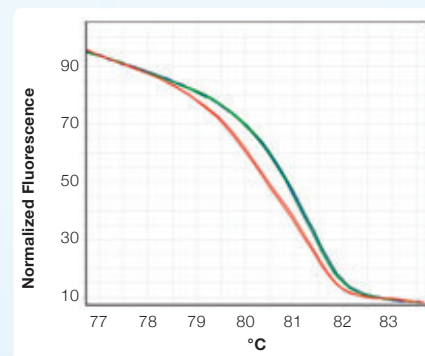
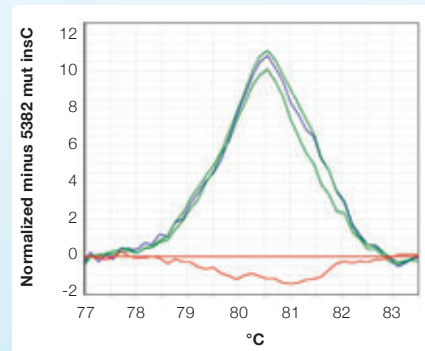
- Functional quality control via real-time PCR on different genomic templates
- Tests for stability at ambient temperature
- Tests for multiple freeze-thaw cycles



I am very satisfied with the results of the RT-qPCR I made with the 5x HOT FIREPol® EvaGreen® qPCR Mix Plus (ROX). It's sensitive to low amount of template and works well with Stratagene Mx3005P™ thermocycler I use.

Nizar Saad, PhD Student
University of Strasbourg Institut de Biologie Moléculaire et Cellulaire
FRANCE

Performance Data of HRM Mix



No.	Color	Name	Genotype	Confidence %
37	Blue	Unknown phenotype	5382 wt	99,18
40	Green	Wildtype 1	5382 wt	97,33
41	Green	Wildtype 2	5382 wt	100,00
42	Red	Mutation 1	5382 mut insC	100,00
43	Red	Mutation 2	5382 mut insC	97,47

Sensitive HRM genotyping

High Resolution Melt Analysis was used to genotype a C insertion in *BRCA1* gene, a breast cancer susceptibility gene, with HOT FIREPol® EvaGreen® HRM Mix (two graphs above). Reactions were performed on Corbett Rotor-Gene® 6000. Green lines represent wildtypes without an insertion, red lines represent a C insertion and blue line represents a patient with unknown phenotype.

Order Information

PRODUCT	CONTENT	CAT. NO.	RXN/20µl	SIZE/ml	PRICE
5x HOT FIREPol® EvaGreen® qPCR Mix Plus (ROX)	HOT FIREPol® DNA Polymerase, 5x EvaGreen® qPCR buffer, 12.5 mM MgCl ₂ , dNTPs, ROX dye	08-24-0000S	50	0.2	Free sample!
		08-24-00001	250	1	Please inquire!
		08-24-00020	5000	20	Please inquire!
5x HOT FIREPol® EvaGreen® qPCR Mix Plus (no ROX)	HOT FIREPol® DNA Polymerase, 5x EvaGreen® qPCR buffer, dNTPs, 12.5 mM MgCl ₂	08-25-0000S	50	0.2	Free sample!
		08-25-00001	250	1	Please inquire!
		08-25-00020	5000	20	Please inquire!
5x HOT FIREPol® EvaGreen® qPCR Mix Plus (Capillary)	HOT FIREPol® DNA Polymerase, 5x EvaGreen® qPCR buffer, dNTPs, 12.5 mM MgCl ₂ , BSA	08-26-0000S	50	0.2	Free sample!
		08-26-00001	250	1	Please inquire!
		08-26-00020	5000	20	Please inquire!
5x HOT FIREPol® EvaGreen® HRM Mix (ROX)	HOT FIREPol® DNA Polymerase, 5x EvaGreen® HRM buffer, dNTPs, 12.5 mM MgCl ₂ , ROX dye, BSA	08-33-0000S	50	0.2	Free sample!
		08-33-00001	250	1	Please inquire!
		08-33-00020	5000	20	Please inquire!
5x HOT FIREPol® EvaGreen® HRM Mix (no ROX)	HOT FIREPol® DNA Polymerase, 5x EvaGreen® HRM buffer, dNTPs, 12.5 mM MgCl ₂ , BSA	08-31-0000S	50	0.2	Free sample!
		08-31-00001	250	1	Please inquire!
		08-31-00020	5000	20	Please inquire!

Free product samples can be ordered via e-mail: solis@sbd.ee, via skype: [solis.biodyne](https://www.skype.com/partners/solis.biodyne), via fax: +372 7 402079 or via our web site: www.sbd.ee

Current prices and conditions are valid until Dec 31, 2012. Some applications these products are used in may require a license which is not provided by the purchase of these products. Users should obtain the license if required.

Solis BioDyne	Our Technology	qPCR Mixes	PCR Mixes	Hot-Start Taq	Taq	Nucleotides Ladders Loading Dyes	MALDI-TOF	Ordering
2	4	6		12	13	14	16	17

5x HOT FIREPol® Blend Master Mix Ready to Load

Description

5x HOT FIREPol® Blend Master Mix is a premixed ready-to-use solution containing all reagents required for PCR except template, primers and water. In addition, the mix includes all compounds necessary for direct loading onto agarose gel with two tracking dyes (blue and yellow) that allow to monitor progress during electrophoresis. A core kit version and a version without the ready-to-load feature are also available.

HOT FIREPol® Blend Master Mix contains two carefully optimized enzymes – HOT FIREPol® DNA polymerase and a proofreading polymerase. This enzyme blend has both the 5'→3' exonuclease activity as well as the 3'→5' proofreading activity. HOT FIREPol® Blend Master Mix exhibits an increased fidelity compared to regular Hot Start Master Mixes. Generated PCR products are compatible with both blunt-end and TA cloning procedures.

Features

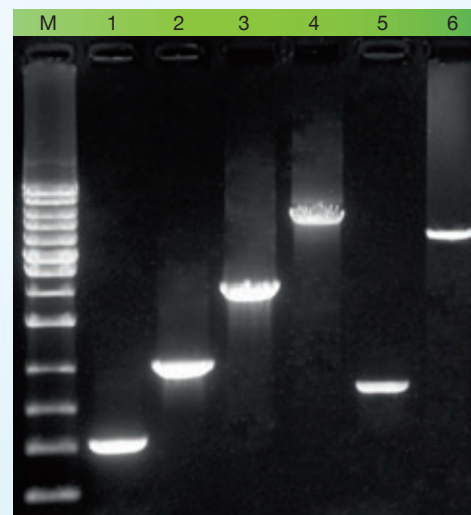
- Stable at ambient temperature for one month
- Reaction set-up without using ice
- Convenient ready-to-use solution for PCR
 - Decreased set-up time
 - Reduced risk of contamination
 - Less pipetting mistakes
 - Consistent reaction to reaction performance
- Includes dyes for direct loading onto agarose gel
- Increased fidelity and sensitivity
- Longer products
- A choice of different MgCl₂ concentrations



Order Information

PRODUCT	CONTENT	CAT. NO.	RXN/20µl	SIZE/ml	PRICE
5x HOT FIREPol® Blend Master Mix Ready to Load with 7.5 mM MgCl ₂	HOT FIREPol® DNA Polymerase, Proofreading enzyme, 5x Blend Master Mix Buffer, 7.5 mM MgCl ₂ , dNTPs, BSA, Blue and Yellow loading dye	04-25-00S15	50	0.1	Free sample!
		04-25-00115	250	1	Please inquire!
		04-25-02015	5000	20	Please inquire!
5x HOT FIREPol® Blend Master Mix Ready to Load with 10 mM MgCl ₂	HOT FIREPol® DNA Polymerase, Proofreading enzyme, 5x Blend Master Mix Buffer, 10 mM MgCl ₂ , dNTPs, BSA, Blue and Yellow loading dye	04-25-00S20	50	0.1	Free sample!
		04-25-00120	250	1	Please inquire!
		04-25-02020	5000	20	Please inquire!
5x HOT FIREPol® Blend Master Mix Ready to Load with 12.5 mM MgCl ₂	HOT FIREPol® DNA Polymerase, Proofreading enzyme, 5x Blend Master Mix Buffer, 12.5 mM MgCl ₂ , dNTPs, BSA, Blue and Yellow loading dye	04-25-00S25	50	0.1	Free sample!
		04-25-00125	250	1	Please inquire!
		04-25-02025	5000	20	Please inquire!
5x HOT FIREPol® Blend Master Mix Ready to Load with 15 mM MgCl ₂	HOT FIREPol® DNA Polymerase, Proofreading enzyme, 5x Blend Master Mix Buffer, 15 mM MgCl ₂ , dNTPs, BSA, Blue and Yellow loading dye	04-25-00S30	50	0.1	Free sample!
		04-25-00130	250	1	Please inquire!
		04-25-02030	5000	20	Please inquire!

Performance Data of Blend Master Mix



Lane	Template	Amplicon Length
1	λ DNA	499 bp
2	λ DNA	1003 bp
3	λ DNA	1998 bp
4	λ DNA	4991 bp
5	Mouse genomic DNA	808 bp
6	Mouse genomic DNA	3838 bp

Amplicons of various length from different templates

Lines 1-4 present excellent amplification of fragments of various length from λ DNA. Lines 5 and 6 show two different amplicons amplified from mouse genomic DNA. All these reactions were carried out using 5 x HOT FIREPol® Blend Master Mix Ready to Load with 7.5 mM MgCl₂.

*I do mismatch repair analysis and sequencing to study genes related to carcinogenesis, and have fully switched to using **HOT FIREPol® Blend Master Mix** in the PCR step before sequencing. Previously I was using mainly TrueStart Taq for regular PCR. With **Blend Mix**, the reaction set-up takes half the time and it is not necessary to take the trouble of keeping the reactions cold nor thawing the reagents - the polymerase won't be activated before 95°C. The **Blend Mix** is stable at room temperature (I always keep one aliquot on the bench and have not noticed any decrease in activity, even after 2-3 weeks). The inherent loading dye makes the **HF Blend Mix** especially user-friendly. The mix sinks nicely to the bottom of the well and stays there for 10 minutes.*

Martin Kask,
M.Sc., Bioanalyst
Competence Centre
for Cancer Research
ESTONIA

Solis BioDyne	Our Technology	qPCR Mixes	PCR Mixes	Hot-Start Taq	Taq	Nucleotides Ladders Loading Dyes	MALDI-TOF	Ordering
2	4	6		12	13	14	16	17

5x FIREPol® Master Mix

5x FIREPol® Master Mix Ready to Load

Description

5x FIREPol® Master Mix is a premixed ready-to-use solution containing all reagents required for PCR (except template, primers and water). Ready to Load format also includes a compound needed for direct loading onto agarose gel and two tracking dyes (blue and yellow) that allow to monitor progress during electrophoresis.

We recommend using 5x FIREPol® Master Mix Ready to Load in any PCR application that will be visualized by agarose gel electrophoresis and ethidium bromide staining. 5x FIREPol® Master Mix Ready to Load is not recommended for use in post-PCR applications where spectro-photometric measurements (absorbance or fluorescence) are necessary because yellow and blue dyes can interfere with these applications.

Features

- Stable at ambient temperature for one month
- Reaction set-up without using ice
- Convenient ready-to-use solution for PCR
 - Decreased set-up time
 - Reduced risk of contamination
 - Less pipetting mistakes
 - Consistent reaction to reaction performance
- Ready to Load format includes dyes for direct loading
- A choice of two MgCl₂ concentrations

Applications

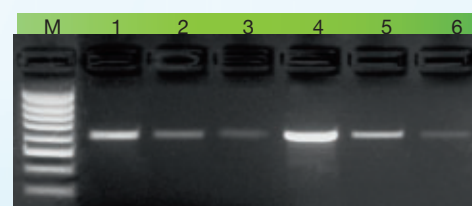
- Wide range of PCR assays
- PCR product generation for TA cloning
- Ready to Load Master Mix for easy visualization on gel



Order Information

PRODUCT	CONTENT	CAT. NO.	RXN/20µl	SIZE/ml	PRICE
5x FIREPol® Master Mix with 7.5 mM MgCl ₂	FIREPol® DNA Polymerase, 5x Buffer B, 7.5 mM MgCl ₂ , dNTPs, Detergent	04-11-00S15	25	0.1	Free Sample!
		04-11-00115	250	1	Please inquire!
5x FIREPol® Master Mix with 12.5 mM MgCl ₂	FIREPol® DNA Polymerase, 5x Buffer B, 12.5 mM MgCl ₂ , dNTPs, Detergent	04-11-00S25	25	0.1	Free Sample!
		04-11-00125	250	1	Please inquire!
5x FIREPol® Master Mix Ready to Load with 7.5 mM MgCl ₂	FIREPol® DNA Polymerase, 5x Buffer B, 7.5 mM MgCl ₂ , dNTPs, Detergent, Blue and Yellow Loading Dyes	04-12-00S15	25	0.1	Free Sample!
		04-12-00115	250	1	Please inquire!
5x FIREPol® Master Mix Ready to Load with 12.5 mM MgCl ₂	FIREPol® DNA Polymerase, 5x Buffer B, 12.5 mM MgCl ₂ , dNTPs, Detergent, Blue and Yellow Loading Dyes	04-12-00S25	25	0.1	Free Sample!
		04-12-00125	250	1	Please inquire!

Performance data of Master Mix



Plant genomic DNA

672 bp fragment was amplified from barley genomic DNA using FIREPol Master Mix (lane 1-3) and FIREPol Master Mix Ready to Load (lane 4-6). Template DNA was serially diluted tenfold from a starting concentration of 1 ng/µl. The Master Mixes performed well even with the template's concentration being as low as 0.01 ng/µl.



Every week, we have to genotype hundreds of mice. I was first skeptical when I received my first **FIREPol® Master Mix RTL**, because of its low price, and it was too convenient to be true! Turns out it works with all our PCR reactions, even with the most demanding. You don't even need top notch DNA extraction to make it work.

Nicolas Renier
Institut de la Vision
INSERM
FRANCE

Free product samples can be ordered via e-mail: solis@sbd.ee, via skype: [solis.biodyne](https://www.skype.com/partners/solis.biodyne), via fax: +372 7 402079 or via our web site: www.sbd.ee

Current prices and conditions are valid until Dec 31, 2012

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Solis BioDyne	Our Technology	qPCR Mixes	PCR Mixes	Hot-Start Taq	Taq	Nucleotides Ladders Loading Dyes	MALDI-TOF	Ordering
2	4	6	10		13	14	16	17

HOT FIREPol® DNA Polymerase

Description

HOT FIREPol® DNA Polymerase is a chemically modified FIREPol® DNA Polymerase. At ambient temperatures it is inactive, having no polymerization activity. HOT FIREPol® DNA Polymerase is activated by a 15 min incubation step at 95°C. This prevents extension of non-specifically annealed primers and primer-dimers formed at low temperatures during PCR setup. The enzyme has 5'→3' polymerase and exonuclease activity but lacks 3'→5' exonuclease activity.

Features

- **Exceptional stability at ambient temperature**
- **Increased sensitivity, specificity and yield**
- **Wide range of buffers and an enhancer for personal optimization**
- **Supply of active enzyme throughout the entire PCR**

Applications

- Hot Start PCR
- DHPLC
- TA cloning

Quality control

- HOT FIREPol is free of nicking and priming activities, exonucleases and unspecific endonucleases
- Functional quality control via PCR on different templates
- Error rate per nucleotide per cycle: $\sim 2.5 \times 10^{-5}$
- Estimated half life at 95°C is 1.5 hours



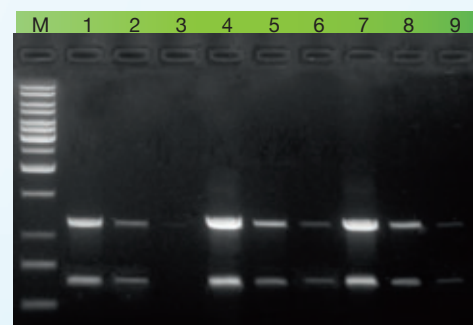
Selected references

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Bauer M et al, *Mol Cell Biochem.* 2005 Dec;280(1-2):201-7.
Kringen P et al, *Biotechniques.* 2005 Nov;39(5):755-61.

Order Information

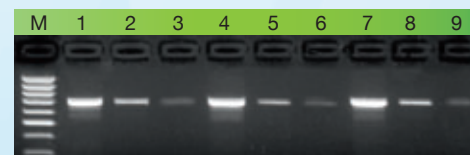
PRODUCT	CONTENT	CAT. NO.	SIZE/U	PRICE
HOT FIREPol® DNA Polymerase (5 U/μl)	HOT FIREPol® DNA Polymerase, 10x Buffer B1/B2, 25 mM MgCl ₂ , Solution S	01-02-0000S	100	Free Sample!
		01-02-00500	500	Please inquire!
		01-02-01000	1000	Please inquire!

Performance data of HOT FIREPol®



Mouse Genomic DNA

1183 bp and 643 bp fragments were amplified from mouse genomic DNA using HOT FIREPol® DNA Polymerase together with three buffers: A1 (lane 1-3), B1 (lane 4-6) and B2 (lane 7-9). Template DNA was serially diluted tenfold with a starting concentration of 1 ng/μl. The enzyme performed well even with the template's concentration being as low as 0.01 ng/μl. HOT FIREPol® DNA Polymerase was used at 0.04 U/μl.



Plant Genomic DNA

672 bp fragment was amplified from barley genomic DNA using HOT FIREPol® DNA Polymerase together with three buffers: A1 (lane 1-3), B1 (lane 4-6) and B2 (lane 7-9). Template DNA was serially diluted tenfold with a starting concentration of 1 ng/μl. The enzyme performed well even with the template's concentration being as low as 0.01 ng/μl. HOT FIREPol® DNA Polymerase was used at 0.04 U/μl.

*Thanks to our good experience with Solis BioDyne, we have been using their **HOT FIREPol® DNA Polymerase** as a standard enzyme in our PCR, one of the applications being microsatellite genotyping in various species of trees.*

Dr. Ludger Leinemann

Georg-August University of Göttingen
GERMANY



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2	4	6	10	12		14	16	17

FIREPol® DNA Polymerase

Description

FIREPol® is a highly processive, thermostable DNA Polymerase. Due to its genetic modifications FIREPol® has an enhanced stability at ambient temperature with no activity loss for up to 1 month. The enzyme has 5'→3' polymerase and exonuclease activity but lacks 3'→5' exonuclease activity.

Features

- Exceptional stability at ambient temperature
- Selection of buffers and an enhancer for personal optimization
- Supply of fresh enzyme throughout the entire PCR

Applications

- Wide range of PCR assays
- TA cloning

Quality control

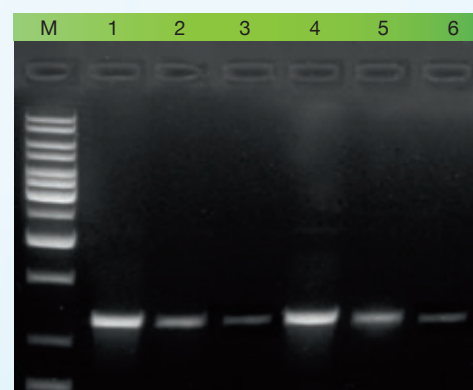
- FIREPol® is free of nicking and priming activities, exonucleases and unspecific endonucleases
- Activity and stability tested via thermocycling
- Error rate per nucleotide per cycle: $\sim 2.5 \times 10^{-5}$
- Estimated half life at 95°C is 1.5 hours



Selected references

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 Mariette N et al, *Malar J.* 2008 Oct 28;7:219.
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 Antonius-Klemola K et al, *Theor Appl Genet.* 2006 Apr;112(6):999-1008.
 Bauer M et al, *Mol Cell Biochem.* 2005 Dec;280(1-2):201-7.
 Vicent CM et al, *Plant Physiol.* 2001 Mar;125(3):1283-92.
 Manninen O et al, *Mol Gen Genet.* 2000 Oct;264(3):325-34.

Performance data of FIREPol®



Mouse Genomic DNA

1200 bp fragment of Beta-synuclein gene was amplified from mouse genomic DNA using FIREPol® DNA Polymerase with two different buffers: B (lane 1-3) and BD (lane 4-6). Template DNA was serially diluted tenfold with starting concentration of 1 ng/μl. FIREPol® DNA Polymerase was used at 0.04U/μl.



Plant Genomic DNA

672 bp fragments was amplified from barley genomic DNA using FIREPol® DNA Polymerase with two buffers: B (lane 1-3) and BD (lane 4-6). Template DNA was serially diluted tenfold with a starting concentration of 1 ng/μl. The enzyme performed well even with the template's concentration being as low as 0.01 ng/μl. FIREPol® DNA Polymerase was used at 0.04 U/μl.

I have used Solis Biodyne's FIREPol® Taq for studying retrotransposon-based genetic polymorphism in plants and it worked very well.

Dr Lucia Natali
 Dipartimento di Biologia
 delle Pianta Agrarie
 Universita Degli Studi di Pisa
 ITALY

Order Information

PRODUCT	CONTENT	CAT. NO.	SIZE/U	PRICE
FIREPol® DNA Polymerase (5 U/μl)	FIREPol® DNA Polymerase, 10x Buffer B/BD, 25 mM MgCl ₂ , Solution S	01-01-0000S	100	Free Sample!
		01-01-00500	500	Please inquire!
		01-01-01000	1000	Please inquire!
		01-01-02000	2000	Please inquire!

BEST-SELLER

Free product samples can be ordered via e-mail: solis@sbd.ee, via skype: [solis.biodyne](https://www.skype.com/partners/solis.biodyne), via fax: +372 7 402079 or via our web site: www.sbd.ee

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2	4	6	10	12	13		16	17

dNTP Set and Mix

Description

All Solis BioDyne's dNTPs are chemically synthesized nucleotides that are 99% pure by HPLC. Our nucleotides are available as a dNTP set containing four separate solutions of dNTPs and as ready-to-use mix of dATP, dCTP, dGTP and dTTP. Ready-to-use dNTP mix can be added directly to amplification reaction, and is designed to save time, reduce the risk of contamination and ensure the reproducibility of results. A separate vial of dUTP is available at a concentration of 100 mM.

Stability

All Solis BioDyne's dNTPs are extra stable - we guarantee 100% stability for 3 years thanks to our special storage buffer.

Features

- **Ultrapure: >99% by HPLC**
- **Reliable, consistent results**
- **Available both as a ready-to-use mix and a set**
- **Wide range of applications**

Applications

- Suited for a wide range of PCR and qPCR applications
- cDNA synthesis
- Primer extension
- DNA sequencing
- DNA labeling
- Mutagenesis

Quality control

- Purity assay (HPLC) >99%
- Free of pyrophosphate, DNA and RNA
- DNase, RNase and nickase free
- Tested for qPCR, PCR and reverse transcription applications



I compared the Solis BioDyne 20 mM dNTP mix with those of another leading supplier and analysed their performance during the development of a client's real-time PCR assay. I was very impressed with their repeatedly high performance with similar or often lower Cq's generated by the Solis BioDyne mix

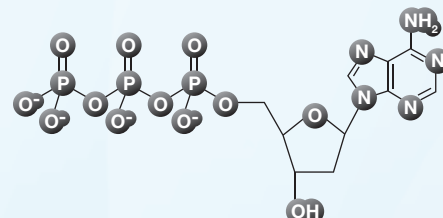
John Mackay

Lead Scientist Linnaeus Laboratories | NEW ZEALAND

Structural Formulas of dNTPs

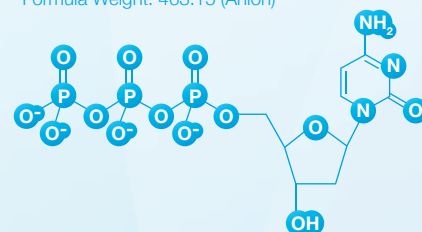
dATP

Formula: $C_{10}H_{12}N_5O_{12}P_3$ (Anion)
Formula Weight: 487.18 (Anion)



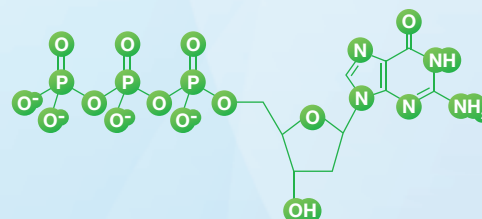
dCTP

Formula: $C_9H_{12}N_3O_{13}P_3$ (Anion)
Formula Weight: 463.15 (Anion)



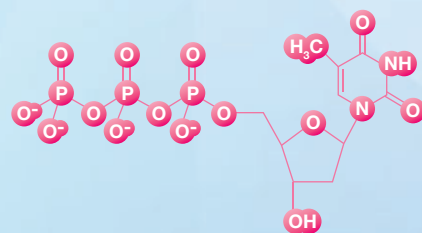
dGTP

Formula: $C_{10}H_{12}N_5O_{13}P_3$ (Anion)
Formula Weight: 503.18 (Anion)



dTTP

Formula: $C_{10}H_{12}N_5O_{13}P_3$ (Anion)
Formula Weight: 478.16 (Anion)



Order Information

PRODUCT	CONTENT	CAT. NO.	SIZE/ μ mol	PRICE
dNTP Set	A set of dATP, dCTP, dTTP and dGTP in separate vials (100mM of each)	02-21-0001S	4 x 0.5	Free Sample!
		02-21-00100	4 x 25	Please inquire!
		02-21-00400	4 x 100	Please inquire!
dNTP Mix	Mix of dATP, dCTP, dTTP and dGTP (20 mM of each)	02-31-0001S	0.8	Free Sample!
		02-31-00020	20	Please inquire!
		02-31-00100	100	Please inquire!
dUTP	100 mM dUTP	02-41-0000S	2.5	Free Sample!
		02-41-00025	25	Please inquire!

Free product samples can be ordered via e-mail: solis@sbd.ee, via skype: [solis.biodyne](https://www.skype.com/en/contacts/solis-biodyne), via fax: +372 7 402079 or via our web site: www.sbd.ee

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2	4	6	10	12	13		16	17

100 bp DNA Ladder 1 kb DNA Ladder

Description

The 1 kb DNA Ladder and the 100 bp DNA Ladder are ready-to-use molecular weight markers suitable for DNA fragment size determination on gel electrophoresis. They are formulated to run accurately and to provide crisp band patterns with blue dyes to serve as visual aid to monitor the progress of migration during agarose gel electrophoresis. The 1 kb DNA Ladder contains 13 discrete DNA fragments ranging from 300 bp to 10,000 bp. The 100 bp DNA Ladder contains 12 discrete DNA fragments ranging from 100 bp to 3,000 bp.

Features

- Ready-to-use solutions
- Crisp band patterns
- Includes dyes for ease of use
- Stable at ambient temperature

6x DNA Loading Dye Buffers

Description

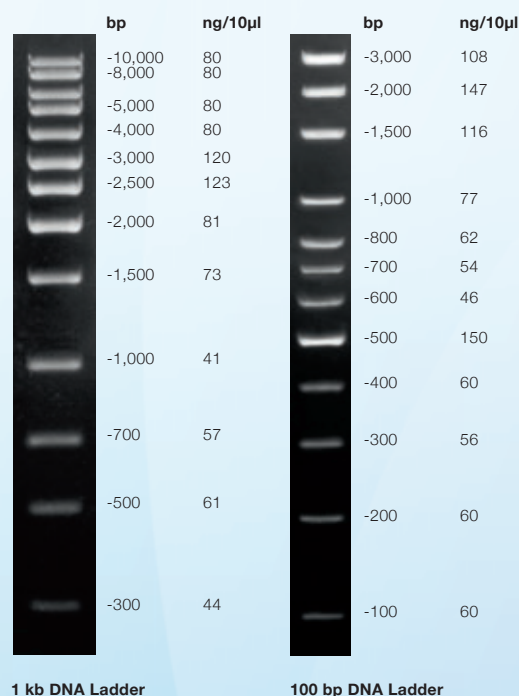
6x DNA Loading Dye Buffers are used to prepare DNA markers and samples for loading on agarose or polyacrylamide gels. The optimized solutions contain different mixtures of three dyes: Bromophenol Blue, Xylene Cyanol FF and Orange G for visual tracking of DNA migration during electrophoresis.

6x DNA Loading Dye Buffers containing Orange G are recommended for the analysis of small DNA molecules and have no DNA masking during gel exposure to UV light. 6 x DNA Loading Dye Buffer Blue and Dye Buffer Double Blue make pipetting visually easy with its dark blue color.

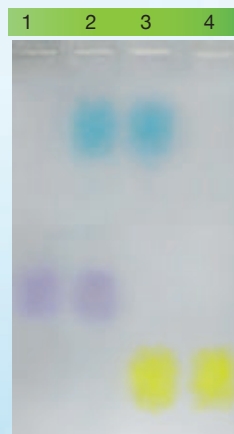
Order Information

PRODUCT	CONTENT	CAT. NO.	SIZE	PRICE
100 bp DNA Ladder Ready to Load	12 discrete DNA fragments ranging from 100 bp to 3,000 bp	07-11-0000S	1.5 µg	Free Sample!
		07-11-00050	50 µg	Please inquire!
1 kb DNA Ladder Ready to Load	13 discrete DNA fragments ranging from 300 bp to 10,000 bp	07-12-0000S	1.5 µg	Free Sample!
		07-12-00050	50 µg	Please inquire!
6x DNA Loading Dye Buffer Blue	Bromophenol Blue, 6x Dye Buffer	07-01-0000S	0.1 ml	Free Sample!
		07-01-00001	1 ml	Please inquire!
		07-01-00010	10 ml	Please inquire!
6x DNA Loading Dye Buffer Double Blue	Bromophenol Blue and Xylene Cyanole, 6x Dye Buffer	07-02-0000S	0.1 ml	Free Sample!
		07-02-00001	1 ml	Please inquire!
		07-02-00010	10 ml	Please inquire!
6x DNA Loading Dye Buffer Orange and Blue	Orange G and Xylene Cyanole, 6x Dye Buffer	07-03-0000S	0.1 ml	Free Sample!
		07-03-00001	1 ml	Please inquire!
		07-03-00010	10 ml	Please inquire!
6x DNA Loading Dye Buffer Orange	Orange G, 6x Dye Buffer	07-04-0000S	0.1 ml	Free Sample!
		07-04-00001	1 ml	Please inquire!
		07-04-00010	10 ml	Please inquire!

DNA Ladders



Loading Dye Buffers



Line 1: DNA Loading Dye Buffer Blue
Line 2: DNA Loading Dye Buffer Double Blue
Line 3: DNA Loading Dye Buffer Orange and Blue
Line 4: DNA Loading Dye Buffer Orange

In 1% agarose gel 1x TBE, Xylene Cyanol FF migrates along with ~3500 bp fragments, Bromophenol Blue migrates along with ~300 bp fragments and Orange G migrates along with ~40 bp fragments.

Solis BioDyne	Our Technology	qPCR Mixes	PCR Mixes	Hot-Start Taq	Taq	Nucleotides Ladders Loading Dyes	MALDI-TOF	Ordering
2	4	6	10	12	13	14		17

TERMIPol® DNA Polymerase

Description

TERMIPol® DNA Polymerase is a thermostable DNA Polymerase suited for MALDI-TOF mass spectrometry and other primer extension platforms. The enzyme has 5'→3' polymerase activity and enhanced efficiency for incorporating unconventional nucleotides such as dideoxynucleotides and acyclonucleotides. TERMIPol® is available in two concentrations: 5 U/μl and 25 U/μl.

HOT TERMIPol® DNA Polymerase adds extra value with its Hot Start function, preventing the extension of mis-primed products and primer-dimers being formed at low temperatures during reaction setup. HOT TERMIPol® DNA Polymerase requires an incubation step at 95°C for 15 minutes.

Features

- Enhanced efficiency for incorporating ddNTPs
- Assay success rate of 99% in MALDI-TOF
- Very high incorporation rate
- Robust and reliable reactions
- Excellent stability at ambient temperature

Applications

- MALDI-TOF mass spectrometry
- Primer extension
- MassARRAY

Quality control

- Free of nicking and priming activities, exonucleases and unspecific endonucleases
- Activity and stability tested via thermocycling
- Error rate per nucleotide per cycle: $\sim 8 \times 10^{-5}$
- Estimated half life at 95°C is 1.5 hours

Selected references

Wilcke A et al, *Ann Dyslexia*. 2009 Feb 24.

Ikryannikova LN et al, *J Microbiol Methods*. 2008 Dec;75(3):385-91.

Ilina EN et al, *Antimicrob Agents Chemother*. 2008 Jun;52(6):2175-82.

Schwab M et al, *J Clin Oncol*. 2008 May 1;26(13):2131-8.

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Sauer S et al, *Nat Protoc*. 2006;1(4):1761-71.

Balbus N, Humeny et al, *Mamm Genome*. 2005 Nov;16(11):884-92.

Ilina EN et al, *J Clin Microbiol*. 2005 Jun;43(6):2810-5.

Petkovski E et al, *J Forensic Sci*. 2005 May;50(3):535-41.

Lovmar L et al, *BMC Genomics*. 2005 Mar 10;6(1):35.

I used Solis BioDyne's TERMIPol® DNA polymerase for genotyping on MALDI-TOF platform. The performance was comparable to similar enzymes on the market and the price was highly competitive. The results of this work were published in Mol Cell Probes, 2007.

Kaisa Silander, Ph.D, senior researcher
Institute of Molecular Medicine Finland (FIMM),
University of Helsinki | FINLAND



Order Information

PRODUCT	CONTENT	CAT. NO.	SIZE/U	PRICE
TERMIPol® DNA Polymerase (5 U/μl)	TERMIPol® DNA Polymerase, 10x Buffer C, 100 mM MgCl ₂	01-03-0000S	500	Free Sample!
		01-03-00500	500	Please inquire!
		01-03-02000	2000	Please inquire!
TERMIPol® DNA Polymerase HC (25 U/μl)	TERMIPol® DNA Polymerase, 10x Buffer C, 100 mM MgCl ₂	01-07-0000S	1000	Free Sample!
		01-07-01000	1000	Please inquire!
		01-07-05000	5000	Please inquire!
HOT TERMIPol® DNA Polymerase (5 U/μl)	HOT TERMIPol® DNA Polymerase, 10x Buffer C, 100 mM MgCl ₂	01-06-0000S	500	Free Sample!
		01-06-00500	500	Please inquire!
		01-06-02000	2000	Please inquire!

Free product samples can be ordered via e-mail: solis@sbd.ee, via skype: [solis.biodyne](https://www.skype.com/en/contacts/solis.biodyne), via fax: +372 7 402079 or via our web site: www.sbd.ee

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Solis BioDyne	Our Technology	qPCR Mixes	PCR Mixes	Hot-Start Taq	Taq	Nucleotides Ladders Loading Dyes	MALDI-TOF	Ordering
2	4	6	10	12	13	14	16	

Ordering

All Solis BioDyne products are shipped at ambient temperature. Our products can withstand ambient temperature up to 1 month without any loss of activity. However, regular storage at -20°C is recommended.

Free samples

Solis BioDyne provides free samples of the entire product range enabling our clients to thoroughly test our products.

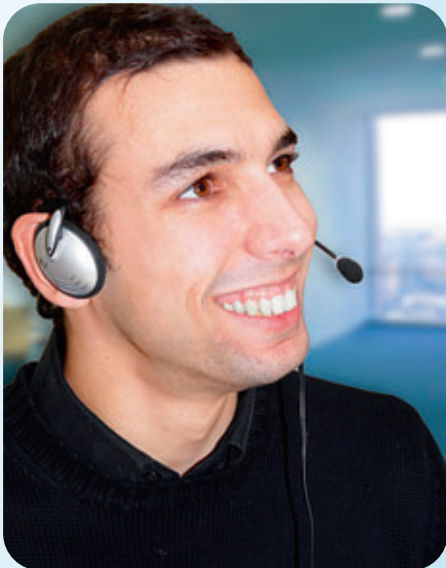
How to order

Orders can be placed through our website www.sbd.ee, fax +372 7402 079, or by emailing at solis@sbd.ee. After receiving an order confirmation, the order will be sent out within one or two working days.

Required Information

Following information is required while placing an order:

- Product name, specifications regarding additives
- Shipping and invoice address
- VAT number (EU only)



Customer care

We are committed to providing our customers supreme service. All inquiries will be responded to within 24 hours at most. All technical questions will be given high priority and our full attention.

Shipping cost

In case of free samples, the recipient is expected to contribute to the shipping cost of express courier service (35€). This shipping cost will be deducted from the first purchase order.

For orders smaller than € 200 shipping cost € 50 will apply. Starting from order value € 200 shipping cost € 35 will apply. Solis BioDyne is happy to cover the shipping cost for orders exceeding € 1000.



Terms of payment

Solis BioDyne accepts payments by wire transfer, cheque and credit card.

Customized solutions

This product catalogue contains standard products, tube sizes and kits. Solis BioDyne offers customized solutions to its customers. Please contact us for details about this service.

Please contact us for enquiries or free samples!

Distributors*

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Please do not hesitate to contact us to enquire about the most convenient way to order in your region.

Product list

qPCR Mixes

CAT. NO.	SIZE/ml	PRICE
5x HOT FIREPol® Probe qPCR Mix Plus (ROX):		
08-14-0000S	0.2	Free sample!
08-14-00001	1	Please inquire!
08-14-00020	20	Please inquire!
5x HOT FIREPol® Probe qPCR Mix Plus (no ROX):		
08-15-0000S	0.2	Free sample!
08-15-00001	1	Please inquire!
08-15-00020	20	Please inquire!
5x HOT FIREPol® Probe qPCR Mix Plus (Capillary):		
08-16-0000S	0.2	Free sample!
08-16-00001	1	Please inquire!
08-16-00020	20	Please inquire!
5x HOT FIREPol® EvaGreen® qPCR Mix Plus (ROX):		
08-24-0000S	0.2	Free sample!
08-24-00001	1	Please inquire!
08-24-00020	20	Please inquire!
5x HOT FIREPol® EvaGreen® qPCR Mix Plus (no ROX):		
08-25-0000S	0.2	Free sample!
08-25-00001	1	Please inquire!
08-25-00020	20	Please inquire!
5x HOT FIREPol® EvaGreen® qPCR Mix Plus (Capillary):		
08-26-0000S	0.2	Free sample!
08-26-00001	1	Please inquire!
08-26-00020	20	Please inquire!
5x HOT FIREPol® EvaGreen® HRM Mix (ROX):		
08-33-0000S	0.2	Free sample!
08-33-00001	1	Please inquire!
08-33-00020	20	Please inquire!
5x HOT FIREPol® EvaGreen® HRM Mix (no ROX):		
08-31-0000S	0.2	Free sample!
08-31-00001	1	Please inquire!
08-31-00020	20	Please inquire!

PCR Mixes

CAT. NO.	SIZE/ml	PRICE
5x HOT FIREPol® Blend Master Mix		
Ready to Load with 7.5 mM MgCl₂:		
04-25-00S15	0.1	Free sample!
04-25-00115	1	Please inquire!
04-25-02015	20	Please inquire!
5x HOT FIREPol® Blend Master Mix		
Ready to Load with 10 mM MgCl₂:		
04-25-00S20	0.1	Free sample!
04-25-00120	1	Please inquire!
04-25-02020	20	Please inquire!
5x HOT FIREPol® Blend Master Mix		
Ready to Load with 12.5 mM MgCl₂:		
04-25-00S25	0.1	Free sample!
04-25-00125	1	Please inquire!
04-25-02025	20	Please inquire!
5x HOT FIREPol® Blend Master Mix		
Ready to Load with 15 mM MgCl₂:		
04-25-00S30	0.1	Free sample!
04-25-00130	1	Please inquire!
04-25-02030	20	Please inquire!
5x FIREPol® Master Mix with 7.5 mM MgCl₂:		
04-11-00S15	0.1	Free Sample!
04-11-00115	1	Please inquire!
5x FIREPol® Master Mix with 12.5 mM MgCl₂:		
04-11-00S25	0.1	Free Sample!
04-11-00125	1	Please inquire!
5x FIREPol® Master Mix Ready to Load with 7.5 mM MgCl₂:		
04-12-00S15	0.1	Free Sample!
04-12-00115	1	Please inquire!
5x FIREPol® Master Mix Ready to Load with 12.5 mM MgCl₂:		
04-12-00S25	0.1	Free Sample!
04-12-00125	1	Please inquire!

Nucleotides, Ladders and Loading Dyes

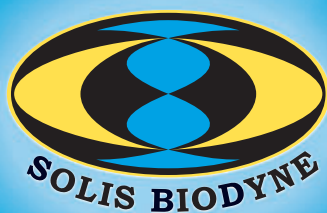
CAT. NO.	SIZE	PRICE
dNTP Set:		
02-21-0001S	4 x 0.5 µmol	Free Sample!
02-21-00100	4 x 25 µmol	Please inquire!
02-21-00400	4 x 100 µmol	Please inquire!
dNTP Mix:		
02-31-0001S	0.8 µmol	Free Sample!
02-31-00020	20 µmol	Please inquire!
02-31-00100	100 µmol	Please inquire!
dUTP:		
02-41-0000S	2.5 µmol	Free Sample!
02-41-00025	25 µmol	Please inquire!
100 bp DNA Ladder Ready to Load:		
07-11-0000S	1.5 µg	Free Sample!
07-11-00050	50 µg	Please inquire!
1 kb DNA Ladder Ready to Load:		
07-12-0000S	1.5 µg	Free Sample!
07-12-00050	50 µg	Please inquire!
6x DNA Loading Dye Buffer Blue:		
07-01-0000S	0.1 ml	Free Sample!
07-01-00001	1 ml	Please inquire!
07-01-00010	10 ml	Please inquire!
6x DNA Loading Dye Buffer Double Blue:		
07-02-0000S	0.1 ml	Free Sample!
07-02-00001	1 ml	Please inquire!
07-02-00010	10 ml	Please inquire!
6x DNA Loading Dye Buffer Orange and Blue:		
07-03-0000S	0.1 ml	Free Sample!
07-03-00001	1 ml	Please inquire!
07-03-00010	10 ml	Please inquire!
6x DNA Loading Dye Buffer Orange:		
07-04-0000S	0.1 ml	Free Sample!
07-04-00001	1 ml	Please inquire!
07-04-00010	10 ml	Please inquire!

Taq DNA Polymerases

CAT. NO.	SIZE/U	PRICE
HOT FIREPol® DNA Polymerase (5 U/µl):		
01-02-0000S	100	Free sample!
01-02-00500	500	Please inquire!
01-02-01000	1000	Please inquire!
FIREPol® DNA Polymerase (5 U/µl):		
01-01-0000S	100	Free Sample!
01-01-00500	500	Please inquire!
01-01-01000	1000	Please inquire!
01-01-02000	2000	Please inquire!

MALDI-TOF Enzymes

CAT. NO.	SIZE/U	PRICE
TERMIPol® DNA Polymerase (5 U/µl):		
01-03-0000S	500	Free Sample!
01-03-00500	500	Please inquire!
01-03-02000	2000	Please inquire!
TERMIPol® DNA Polymerase HC (25 U/µl):		
01-07-0000S	1000	Free Sample!
01-07-01000	1000	Please inquire!
01-07-05000	5000	Please inquire!
HOT TERMIPol® DNA Polymerase (5 U/µl):		
01-06-0000S	500	Free Sample!
01-06-00500	500	Please inquire!
01-06-02000	2000	Please inquire!



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**Please contact us
for enquiries and free samples!**

