



PerfectStart[®] Fast Green qPCR SuperMix

Fast and efficient qPCR reagents

Providing Innovative Reagents for Life Sciences since 2006

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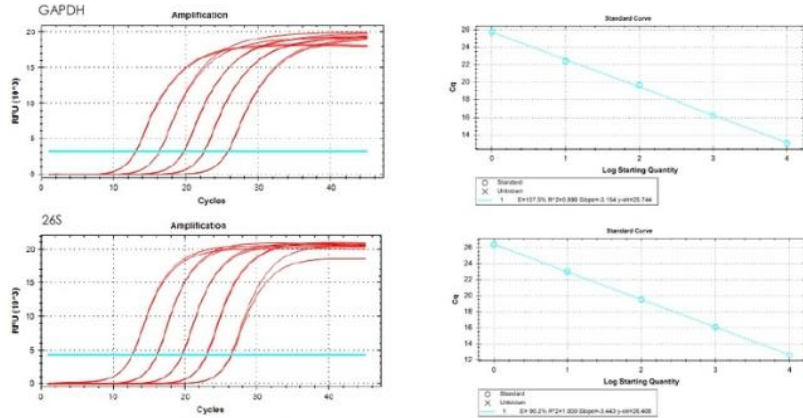
CliniSciences Group

Features

- High specificity and sensitivity, three monoclonal antibodies bind to the FastTaq DNA Polymerase engineered by directed evolution with high affinity, which are prepared by optimized process, effectively blocking DNA polymerase activity and inhibiting non-specific amplification at low temperature.
- Fast, the extension time takes only 15 seconds;
- It is applicable to a wide range of species and has been successfully applied to the amplification of genes such as human, mouse, tobacco, Arabidopsis thaliana, wheat and rice;
- Double cation buffer, enhance specificity, reduce primer-dimer formation;
- Passive reference dyes (to normalize tube-to-tube differences due to pipetting errors) are provided for different qPCR Instruments.

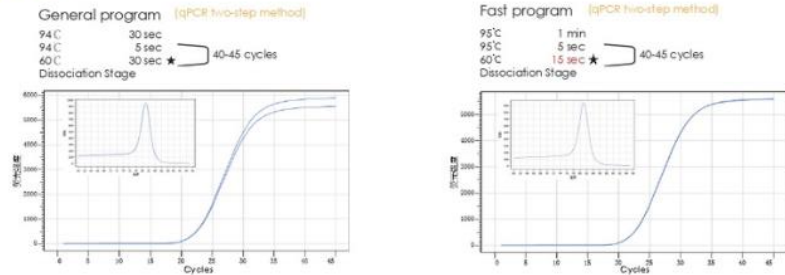
Experimental data

High amplification efficiency



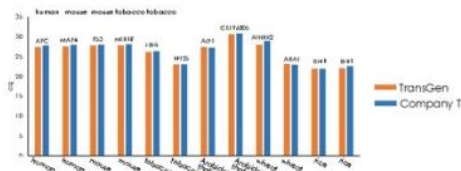
Amplification curves and standard curves obtained by amplifying different gene plasmid DNA (1 ng-0.1 pg, 10-fold dilution) with gradient diluted as templates. The results show that TransGen products have high amplification efficiency and good linear relationship. (Instrument: Bio-Rad CFX96)

Fast



TransGen products have rapid amplification performance, and the extension time is only 15s, which greatly shortens the reaction time. (Instrument: Bioer FQD-96A)
* If the qPCR model does not support the 15-second extension and fluorescence acquisition time, please set it to the shortest time supported by the instrument, such as: ABI 7500, please set the time to 34 seconds.

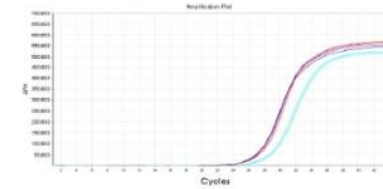
Applicable to a wide range of species



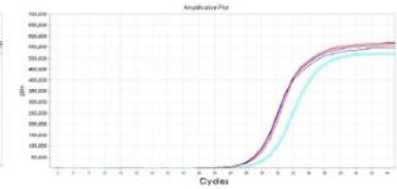
Using cDNA of different species as templates, the products of TransGen and Company T were used to amplify (NTC no amplification). The results showed that the amplification effect of TransGen products was basically the same as that of Company T products. (Instrument: Bio-Rad CFX96)

Compatible with different instruments

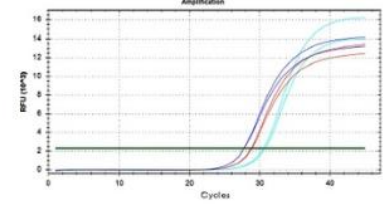
ABI 7500



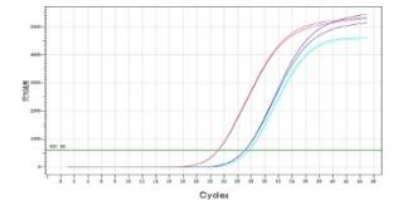
Roche



Bio-Rad CFX96



FQD-96A: BIOER FQD-96A

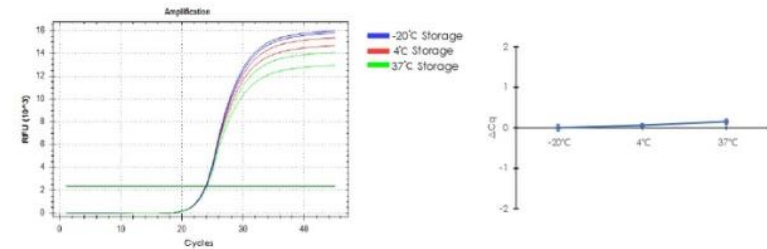


human tobacco wheat

Using human, tobacco and wheat genomes as templates, amplified on different instruments. The results show that TransGen products have high compatibility and can be applied to different models of fluorescent quantitative PCR instruments. * The above are only the expansion results of some models. If you want to know the expansion results of other models, please contact the salesman around you for consultation.

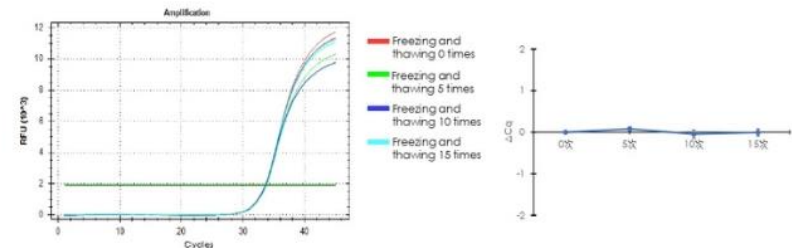
High stability

Storage at different temperatures



TransGen products were stored at different temperatures (4 °C, 37 °C for one week, -20 °C for normal storage), the performance of the product was not affected, and it can still be stably amplified. (Instrument: Bio-Rad CFX96)

Repeated freeze-thaw



After repeated freezing and thawing, the performance of TransGen products was not affected, and it can still be stably amplified. (Instrument: Bio-Rad CFX96)

Name	Cat. No.	Specification
<i>PerfectStart</i> [®] Fast Green qPCR SuperMix	AQ611-01	1 ml
	AQ611-02	5×1 ml
	AQ611-03	15×1 ml
	AQ611-04	25×1 ml

CliniSciences Group

Austria

Company: CliniSciences GmbH
Address: Sternwartestrasse 76, A-1180
Wien - Austria
Telephone: +43 720 115 580
Fax: +43 720 115 577
Email: oesterreich@clinisciences.com
Web: <https://www.clinisciences.com>



Belgium

Company: CliniSciences S.R.L
Address: Avenue Stalingrad 52, 1000
Brussels - Belgium
Telephone: +32 2 31 50 800
Fax: +32 2 31 50 801
Email: belgium@clinisciences.com
Web: <https://www.clinisciences.com>



Denmark

Company: CliniSciences ApS
Address: Oesterbrogade 226, st. 1,
Copenhagen, 2100 - Denmark
Telephone: +45 89 888 349
Fax: +45 89 884 064
Email: denmark@clinisciences.com
Web: <https://www.clinisciences.com>



Finland

Company: CliniSciences ApS
Address: Oesterbrogade 226, st. 1,
Copenhagen, 2100 - Denmark
Telephone: +45 89 888 349
Fax: +45 89 884 064
Email: suomi@clinisciences.com
Web: <https://www.clinisciences.com>



France

Company: CliniSciences S.A.S
Address: 74 Rue des Suisses, 92000
Nanterre - France
Telephone: +33 9 77 40 09 09
Fax: +33 9 77 40 10 11
Email: info@clinisciences.com
Web: <https://www.clinisciences.com>



Germany

Company: Biotrend Chemikalien GmbH
Address: Wilhelm-Mauser-Str. 41-43,
50827 Köln - Germany
Telephone: +49 221 9498 320
Fax: +49 221 9498 325
Email: info@biotrend.com
Web: <https://www.biotrend.com>



Iceland

Company: CliniSciences ApS
Address: Oesterbrogade 226, st. 1,
Copenhagen, 2100 - Denmark
Telephone: +45 89 888 349
Fax: +45 89 884 064
Email: island@clinisciences.com
Web: <https://www.clinisciences.com>



Ireland

Company: CliniSciences Limited
Address: Ground Floor, 71 lower Baggot street
Dublin D02 P593 - Ireland
Telephone: +353 1 6971 146
Fax: +353 1 6971 147
Email: ireland@clinisciences.com
Web: <https://www.clinisciences.com>



Italy

Company: CliniSciences S.r.l
Address: Via Maremmana inferiore 378
Roma 00012 Guidonia Montecelio - Italy
Telephone: +39 06 94 80 56 71
Fax: +39 06 94 80 00 21
Email: italia@clinisciences.com
Web: <https://www.clinisciences.com>



Netherlands

Company: CliniSciences B.V.
Address: Kraijenhoffstraat 137A,
1018RG Amsterdam, Netherlands
Telephone: +31 85 2082 351
Fax: +31 85 2082 353
Email: nederland@clinisciences.com
Web: <https://www.clinisciences.com>



Norway

Company: CliniSciences ApS
Address: Oesterbrogade 226, st. 1,
Copenhagen, 2100 - Denmark
Telephone: +45 89 888 349
Fax: +45 89 884 064
Email: norge@clinisciences.com
Web: <https://www.clinisciences.com>



Poland

Company: CliniSciences sp.z.o.o.
Address: ul. Rotmistrza Witolda Pileckiego 67
lok. 200 - 02-781 Warszawa - Poland
Telephone: +48 22 307 0535
Fax: +48 22 307 0532
Email: polska@clinisciences.com
Web: <https://www.clinisciences.com>



Portugal

Company: Quimigen Unipessoal LDA
Address: Rua Almada Negreiros, Lote 5, Loja 14,
2615-275 Alverca Do Ribatejo - Portugal
Telephone: +351 30 8808 050
Fax: +351 30 8808 052
Email: info@quimigen.com
Web: <https://www.quimigen.pt>



Spain

Company: CliniSciences Lab Solutions
Address: C/ Hermanos del Moral 13
(Bajo E), 28019, Madrid - Spain
Telephone: +34 91 269 40 65
Fax: +34 91 269 40 74
Email: espana@clinisciences.com
Web: <https://www.clinisciences.com>



Sweden

Company: CliniSciences ApS
Address: Oesterbrogade 226, st. 1,
Copenhagen, 2100 - Denmark
Telephone: +45 89 888 349
Fax: +45 89 884 064
Email: sverige@clinisciences.com
Web: <https://www.clinisciences.com>



Switzerland

Company: CliniSciences Limited
Address: Marktgasse 18 8302 Kloten -
Switzerland
Telephone: +41 (044) 805 76 81
Fax: +41 (044) 805 76 75
Email: switzerland@clinisciences.com
Web: <https://www.clinisciences.com>



UK

Company: CliniSciences Limited
Address: 11 Progress Business center, Whittle
Parkway, SL1 6DQ Slough- United Kingdom
Telephone: +44 (0)1753 866 511
or +44 (0) 330 684 0982
Fax: +44 (0)1753 208 899
Email: uk@clinisciences.com
Web: <https://www.clinisciences.com>



USA

Company: Biotrend Chemicals LLC
Address: c/o Carr Riggs Ingram,
500 Grand Boulevard, Suite 210 Miramar
Beach, FL 32550- USA
Telephone: +1 850 650 7790
Fax: +1 850 650 4383
Email: info@biotrend-usa.com
Web: <https://www.biotrend-usa.com>

