

*Reagents that move your
Sanger research in the right direction...*

QuantumSeq™ Sanger Sequencing Reagents

Cost-effective, direct substitutes for BigDye® Terminator products



NO CHANGE IN:

- Protocol
- Dye Set
- Calibration
- Settings

QuantumDye™ Terminator v3.1 Cycle Sequencing Kits – same high performance, but at a greater value

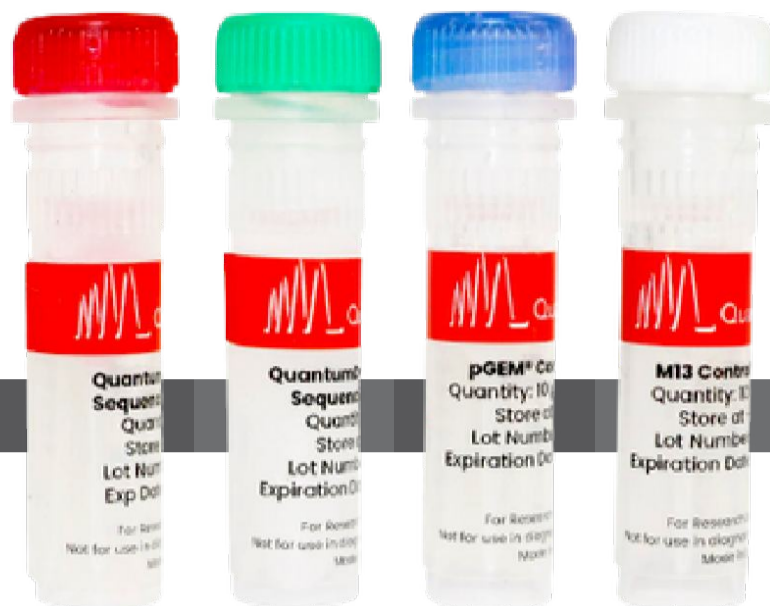
- Identical Performance to BigDye Terminator v3.1
- Flexible Packaging Formats
- Compatible with all ABI Genetic Analyzers

Distributed by:
CliniSciences Group



QuantumDye™ Terminator v3.1 Cycle Sequencing Kits

- Direct, drop-in substitute for BigDye Terminator v3.1
- Optimized for *de novo* sequencing and resequencing applications
- Compatible with all ABI Genetic Analyzers
 - No changes to workflow, protocols, calibration or settings
- Formulated as a 2.5x concentrated cycle sequencing mix
- Developed for use with Dye Set Z



QuantumDye v3.1 generates:

- Uniform peak heights with extremely low background
- Long sequence reads with high confidence scores
- Results that are identical to BigDye Terminator v3.1

QuantumDye v3.1 kit content:

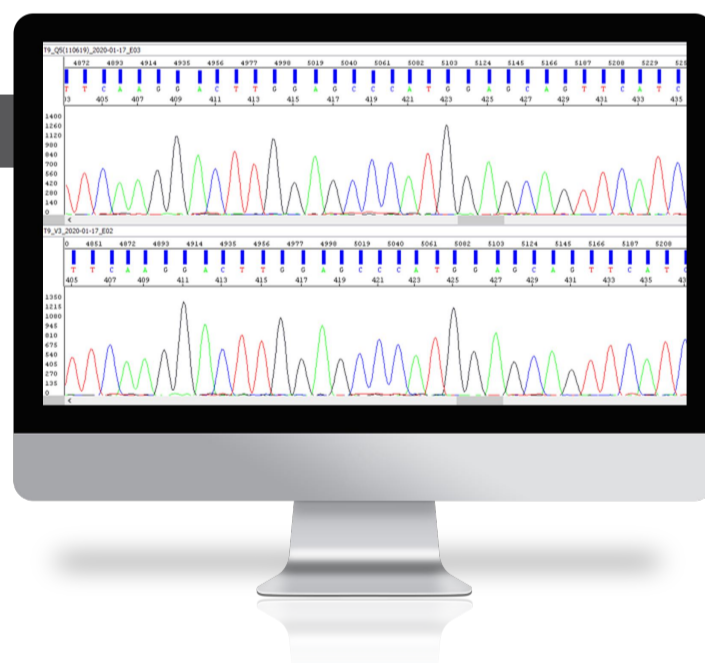
The QuantumDye kits contain all necessary components to perform cycle sequencing in a ready-to-use format.

- 2.5x cycle sequencing mix
- 5x Sequencing Buffer
- pGEM control plasmid DNA
- M13 reverse sequencing primer

QuantumDye cycle sequencing mix is also available separately in a 2,500 reaction (20 mL) bulk reagent format for high throughput sequencing labs that do not wish to purchase the control DNA and sequencing primer. The 5x Sequencing Buffer is also available separately in a 28 mL format.

QuantumDye v3.1 Performance

Electropherogram of the same DNA template sequenced with the same volume of QuantumDye v3.1 (upper) and BigDye® Terminator v3.1 (lower) under identical conditions. The data shown is 403 through 451 bases from the primer from a total sequence read of greater than 800 bases. Peak heights/intensities and confidence scores are identical.



Ordering Information:

Part #	Description QuantumDye 3.1 Kit	Reactions	Cycle Sequencing Mix	5x Dilution Buffer	pGEM Control DNA	M13 Reverse Primer
QSD3-24	QuantumDye™ Terminator v3.1 Kit	24	1 x 192 µL	1 x 1.0 mL	1 x 10 µL	1 x 10 µL
QSD3-100	QuantumDye™ Terminator v3.1 Kit	100	1 x 800 µL	2 x 1.0 mL	1 x 10 µL	1 x 10 µL
QSD3-1000	QuantumDye™ Terminator v3.1 Kit	1,000	10 x 800 µL	1 x 12 mL	1 x 250 µL	1 x 200 µL
QSD3-5000	QuantumDye™ Terminator v3.1 Kit	5,000	2 x 20 mL	2 x 28 mL	2 x 250 µL	2 x 200 µL
QSD3-25000	QuantumDye™ Terminator v3.1 Kit	25,000	10 x 20 mL	10 x 28 mL	10 x 250 µL	10 x 200 µL



Distributed by:
CliniSciences Group

QuantumDye Terminator dGTP v3.1 Cycle Sequencing Kits

- Are optimized for sequencing through GT- and G-rich templates
- Provide more efficient extension from the sequencing primer
- Enable extension through difficult-to-sequence regions with confidence
- Minimize early signal loss in G-rich samples



Ordering Information:

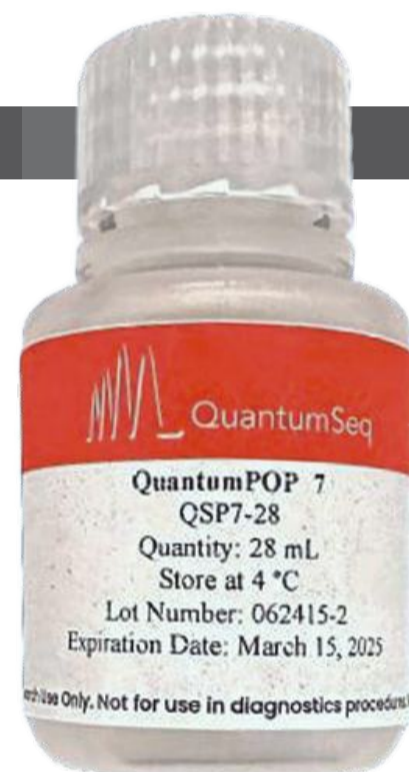
Part #	Description QuantumDye dGTP v3.1	Reactions	Cycle Sequencing Mix	5x Dilution Buffer	pGEM Control DNA	M13 Reverse Primer
QSDG3-24	QuantumDye™ Terminator dGTP v3.1	24	1 x 192 µL	1 x 1.0 mL	1 x 10 µL	1 x 10 µL
QSDG3-100	QuantumDye™ Terminator dGTP v3.1	100	1 x 800 µL	2 x 1.0 mL	1 x 10 µL	1 x 10 µL
QSDG3-1000	QuantumDye™ Terminator dGTP v3.1	1,000	10 x 800 µL	1 x 12 mL	1 x 250 µL	1 x 200 µL

QuantumPOP™ 7 Polymer

QuantumPOP™ 7 polymer is a pre-formulated separation matrix customized for DNA sequencing in capillary electrophoresis systems and is a direct substitute for POP-7™ Polymer that provides the same high performance, but with greater value.

Ordering Information:

Part #	Description QuantumPOP	Volume
QSP7-28	QuantumPOP™ 7 Polymer	28 mL

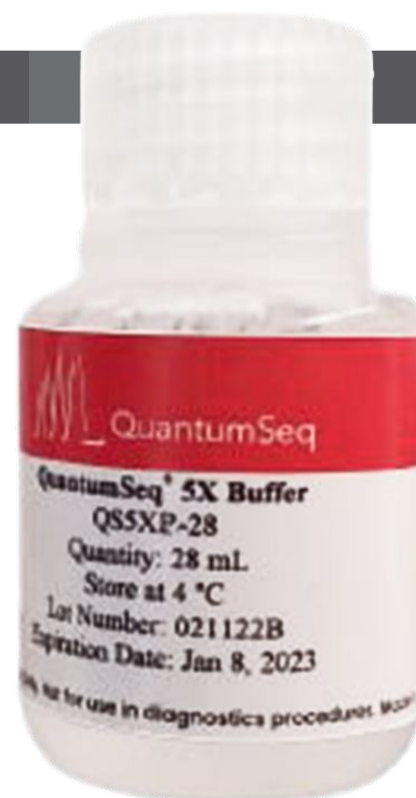


QuantumSeq™ 5x Sequencing Buffer

QuantumSeq™ 5x Sequencing Buffer was developed as a cost-effective alternative to BigDye™ Terminator v1.1 & v3.1 5x Sequencing Buffer for use in cycle sequencing applications. QuantumSeq 5x Sequencing Buffer is intended for use with QuantumSeq QuantumDye™ cycle sequencing kits to adjust the final reaction volume when using less cycle sequencing mix.

Ordering Information:

Part #	Description QuantumSeq 5x Buffer	Volume
QS5XB-28	QuantumSeq™ 5x Sequencing Buffer	28 mL



Distributed by:
CliniSciences Group

QuantumSAP™ PCR cleanup Reagent

The QuantumSAP PCR Product Cleanup Reagent is a cost-effective alternative to ExoSAP-IT™ for effective removal of residual nucleotides and primers after PCR, which can significantly interfere with downstream applications like sequencing or genotyping. These contaminants can affect the primer extension reaction, leading to inaccurate or unreliable results.

Ordering Information:

Part #	Description QuantumSAP	Reactions
QSSP-500	QuantumSAP PCR Cleanup Reagent	500
QSSP-2000	QuantumSAP PCR Cleanup Reagent	2000



QuantumSeq™ Product Line

Part #	Description QuantumDye 3.1 Kit	Reactions/Volume	Cycle Sequencing Mix	5x Dilution Buffer	pGEM Control DNA	M13 Reverse Primer
QSD3-24	QuantumDye™ Terminator v3.1 Kit	24	1 x 192 µL	1 x 1.0 mL	1 x 10 µL	1 x 10 µL
QSD3-100	QuantumDye™ Terminator v3.1 Kit	100	1 x 800 µL	2 x 1.0 mL	1 x 10 µL	1 x 10 µL
QSD3-1000	QuantumDye™ Terminator v3.1 Kit	1,000	10 x 800 µL	1 x 12 mL	1 x 250 µL	1 x 200 µL
QSD3-5000	QuantumDye™ Terminator v3.1 Kit	5,000	2 x 20 mL	2 x 28 mL	2 x 250 µL	2 x 200 µL
QSD3-25000	QuantumDye™ Terminator v3.1 Kit	25,000	10 x 20 mL	10 x 28 mL	10 x 250 µL	10 x 200 µL
QSDG3-24	QuantumDye™ Terminator dGTP v3.1	24	1 x 192 µL	1 x 1.0 mL	1 x 10 µL	1 x 10 µL
QSDG3-100	QuantumDye™ Terminator dGTP v3.1	100	1 x 800 µL	2 x 1.0 mL	1 x 10 µL	1 x 10 µL
QSDG3-1000	QuantumDye™ Terminator dGTP v3.1	1,000	10 x 800 µL	1 x 12 mL	1 x 250 µL	1 x 200 µL
QSP7-28	QuantumPOP™ 7 Polymer	28 mL				
QS5XB-28	QuantumSeq™ 5x Sequencing Buffer	28 mL				
QSSP-500	QuantumSAP PCR Cleanup Reagent	500				
QSSP-2000	QuantumSAP PCR Cleanup Reagent	2000				

Visit for more information

WWW.SUREFIREBIO.COM



Distributed by:
CliniSciences Group

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: danmark@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 AS
Address: c/o MerVerdi Munkerudtunet 10
1164 Oslo - Norway
Telephone: +47 21 988 882
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: +34 916 750 700
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 AG
Address: Fracht Ost Flughafen Kloten
CH-8058 Zürich - 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>

