



BrilliantDye™ Terminator Cycle Sequencing Kits

The alternative for BigDye®

ALSO AVAILABLE:

dGTP BrilliantDye v3.1

For sequencing through G- and GT-rich templates, NimaGen offers the dGTP BrilliantDye v3.1 kit. This kit is optimized for challenging sequence templates by replacing the dITP with dGTP.

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No changes
in protocol, settings,
or calibration.

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- ▶ Compatible with all ABI genetic analyzers
- ▶ Available in chemistry versions 1.1, 3.1, and dGTP v3.1

BrilliantDye and NimaPOP products are available through EdgeBio. To find a local representative, visit edgebio.com.

Introduction

The BrilliantDye™ Terminator Cycle Sequencing Kits are based on the Gold Standard Sanger Chain Termination method.

Format

BrilliantDye kits are provided as a 2.5x concentrated ready-reaction premix, fully optimized for a highly flexible chemistry, designed for all kinds of sequencing applications, including *de novo* sequencing and resequencing. BrilliantDye generates data with uniform peak heights and optimized signal balance to produce long, high-quality reads.

Two versions available

The BrilliantDye Terminator v3.1 Cycle Sequencing Kit is the method of choice for longest continuous read lengths. The BrilliantDye Terminator v1.1 Cycle Sequencing Kit is designed for specialty applications that require optimal basecalling adjacent to the primer.

Dye set

The kits are optimized to run with Dye Set Z for BrilliantDye Terminator v3.1 and Dye Set E for BrilliantDye Terminator v1.1. Refer to your instrument manual for calibration of the system with this Dye Set.

Compatibility

BrilliantDye is compatible with all ABI genetic analyzers, including the 3730, 3500, 3130, 3100, 310, and SeqStudio series. No need to change protocols, workflows, settings, or calibrations.

Complete solution

BrilliantDye generates ideal results when used in combination with the Optima DTR Dye Terminator clean-up system, 96-well Optical Plates and NimaPOP™ polymers and running buffers. Visit edgebio.com to learn how to reduce your overall cost of sequencing.

EdgeBio - your Sanger sequencing reagents expert.

Kit contents

The BrilliantDye Terminator Cycle Sequencing Kits contain all required reagent components for the sequencing reaction in a ready reaction, pre-mixed format:

- Reaction Ready sequencing premix
- 5X sequencing buffer
- pGEM control template
- M13(-21) control primer

BrilliantDye is also available in 5,000-reaction and 25,000-reaction bulk formats for high throughput users who do not need the pGEM and M13 controls.



Visit
edgebio.com
and download
the protocol.

Ordering information

Description	p/n	Rxn	RR Seq. Premix	5X Seq. Buffer	pGEM Control	M13(-21) Primer
BrilliantDye v 1.1	BRD1-024	24	192µL	0.65 mL	10µL	10µL
	BRD1-100	100	800µL	2.0 mL	10µL	10µL
	BRD1-1000	1000	10 x 800µL	8 x 2.0 mL	50µL	50µL
	BRD1-5000	5000	2 x 20mL	2 x 28 mL	50µL	50µL
BrilliantDye v 3.1	BRD3-024	24	192µL	0.65 mL	10µL	10µL
	BRD3-100	100	800µL	2.0 mL	10µL	10µL
	BRD3-1000	1000	10 x 800µL	8 x 2.0 mL	50µL	50µL
	BRD3-5000	5000	2 x 20mL	2 x 28 mL	50µL	50µL
	BRD3-25K	25000	10 x 20mL	10 x 28mL	50µL	50µL
dGTP BrilliantDye v 3.1	BRDG-100	100	800µL	2.0 mL	10µL	10µL

- For research use only -

Product and Company Information

Product name	BrilliantDye™ Terminator Cycle Sequencing Kit
Product use	For research use only
Company	NimaGen BV Lagelandseweg 56 6545 CG NimeGen The Netherlands
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