

BrightDye® Terminator Cycle Sequencing Kit

The new solution for your DNA sequencing workflow

- ✓ No need for any change in protocol, settings or analysis parameters
- ✓ High Performance for sequencing of GT-rich regions
- ✓ Uniform peak heights and optimal signal balance
- ✓ Reduce your costs
- ✓ Robust design for high success rates

Introduction

The BrightDye® Terminator Cycle Sequencing Kit is a reagent used for labeling the dideoxynucleoside triphosphates using the Sanger sequencing method. This facilitates their identification when the products of DNA sequencing reactions are separated by gel or by capillary electrophoresis. BrightDye® Terminator Cycle Sequencing Kit is compatible with v3.1 sequencing chemistry setting. Ideal for de novo sequencing, re-sequencing and finishing with PCR product, Plasmid, Cosmid and BAC templates.

Guaranteed Performance

All BrightDye® Terminator sequencing reagents are tested twice for quality. First for correct formulation and secondly for consistent and reliable performance on sequencing systems.

Applications

- Ideal for PCR products and de novo sequencing
- Sequencing of difficult templates
- Long-read sequencing
- Sequencing across all template types (plasmid, PCR Products, BACs and cosmids)
- Excellent mixed-base detection
- Sequencing short PCR products using rapid electrophoresis run modules

Platforms

310, 3100, 3130, 3130XL, 3500, 3500XL, 3730 & 3730XL Genetic Analyzers.

Content

All kits include BrightDye Terminator ready reaction premix, 5X sequencing buffer, pGEM control and -21M13 primer.

Name	Description	P/N
BrightDye® Terminator Cycle Sequencing Kit	10 rxn, contains 80 µl 2.5X Ready Reaction Premix	BDT3-50
BrightDye® Terminator Cycle Sequencing Kit	100 rxn, contains 800 µl 2.5X Ready Reaction Premix	BDT3-100
BrightDye® Terminator Cycle Sequencing Kit	1000 rxn, contains 8 ML 2.5X Ready Reaction Premix	BDT3-200
BrightDye® Terminator Cycle Sequencing Kit	5000 rxn, contains 40 ML 2.5X Ready Reaction Premix	BDT3-300
BrightDye® Terminator Cycle Sequencing Kit	25000 rxn, contains 200 ML 2.5X Ready Reaction Premix	BDT3-400



This figure shows the long read lengths with BrightDye® Terminator on a 3730XL Genetic Analyzer. pGEM control DNA was used in combination with M13 primers. Sequences were run under filter set Z.