GPRs for capillary electrophoresis

Confidence for diagnostic development and testing

Transition from research to the clinical environment easily with general purpose reagents (GPRs) for laboratory use. These GPRs have been designed to address the growing and evolving needs of laboratories and kit manufacturers. Use these reagents confidently, knowing they meet the requirements for use in clinical laboratories.

Applied Biosystems™ BigDye™ Terminator Cycle Sequencing Reagents-CG provide the required components for cycle sequencing reactions in a premixed format. Just add the template and template-specific primer.

- Optimized for longer, higher-quality reads with more uniform peak heights and optimal signal balance.
- Robust, highly flexible chemistry for a wide range of applications, including de novo sequencing and resequencing.

Applied Biosystems™ BigDye™ Direct Cycle Sequencing Reagents-CG provide highly flexible chemistry that is ideal for de novo sequencing, resequencing and finishing with PCR products such as plasmids, fosmids and BAC templates.

- Streamlined, simple procedures.
- All steps from PCR to capillary loading are performed in a single reaction tube.
- Fast migration with excellent resolution.
- Substantial time savings compared to Applied Biosystems™ BigDye™ Terminator workflows.

Applied Biosystems™ BigDye™ Terminator v3.1 Sequencing Standards-CG contain lyophilized DNA of a known sequence, prepared with Applied Biosystems™ BigDye™ Terminator v3.1, to perform spectral calibration/ performance checks and/or control sequencing runs.

Applied Biosystems™ DS-33 GeneScan™ Installation Standard Reagents-CG are GPRs consisting of pooled PCR products labeled with Molecular Probes™ 6-FAM™, Applied Biosystems™ VIC™, NED™, and PET™ dyes. A tube of Applied Biosystems™ GeneScan™ 600 LIZ™ Size Standard v2.0 is also provided.

Applied Biosystems™ DS Matrix Standards-CG are used to generate the multicomponent matrix required when analyzing labeled DNA fragments on a capillary electrophoresis–based genetic analyzer. Data collection software uses the multicomponent matrix to automatically analyze the different fluorescent color-labeled samples in a single capillary.

Applied Biosystems™ GeneScan™ Size Standards-CG are used as internal lane size standards to enable automated data analysis and to achieve high run-to-run precision in sizing DNA fragments.

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Applied Biosystems™ POP™ Polymers-CG are specifically formulated to separate DNA fragments of a known size range at a desired resolution and run time.

- Formulated for sequencing and fragment analysis applications.
- Allows for multiple use of capillaries.

POP polymers for Applied Biosystems™ 3500 Series analyzers are offered in convenient, easy-to-use disposable pouches, which not only help save time but also enable consistency. Included radio frequency identification (RFID) labels enable traceability.

Applied Biosystems™ Capillary Electrophoresis Running Buffer 10X with EDTA-CG is used as a buffer solution for electrophoresis in DNA sequencing and fragment analysis applications on a capillary electrophoresis–based genetic analyzer.

Ordering information

Product	Cat. No.
Sequencing analysis	
BigDye Terminator v3.1 Cycle Sequencing Reagents-CG, 100 rxn	4486481
BigDye Terminator v1.1 Cycle Sequencing Reagents-CG, 100 rxn	4486480
BigDye Direct Cycle Sequencing Reagents-CG, 100 rxn	4486191
BigDye Terminator v3.1 Sequencing Standard-CG, for 3730 Series	4486194
BigDye Terminator v3.1 Sequencing Standard-CG, for 3500 Series	4486193
Fragment analysis	
DS-33 GeneScan Installation Standard Reagents-CG, with GeneScan 600 LIZ Size Standards v2.0	4486198
DS-30 Matrix Standard-CG (Dye Set D)	4486195
DS-33 Matrix Standard-CG (Dye Set G5)	4486199
GeneScan 120 LIZ Size Standard-CG	4486202
GeneScan 1200 LIZ Size Standard-CG	4486200
GeneScan 600 LIZ Size Standard-CG v2.0	4486201
Reagents	
POP-7 Polymer-CG, 3.5 mL bottle	4486275
POP-7 Polymer-CG, 7 mL bottle	4486276
POP-7 Polymer-CG, 28 mL bottle	4486277
POP-6 Polymer-CG, 3.5 mL bottle	4486281
POP-6 Polymer-CG, 7 mL bottle	4486282
POP-4 Polymer-CG, 3.5 mL bottle	4486280
POP-4 Polymer-CG, 7 mL bottle	4486283
POP-7 Polymer-CG, 384 rxn pouch	4486274
POP-7 Polymer-CG, 960 rxn pouch	4486273
POP-4 Polymer-CG, 384 rxn pouch	4486284
POP-4 Polymer-CG, 960 rxn pouch	4486285
Capillary Electrophoresis Running Buffer 10X with EDTA-CG, 25 mL bottle	4486293
Capillary Electrophoresis Running Buffer 10X with EDTA-CG, 500 mL bottle	4486294

For more information, go to **thermofisher.com/gpr**

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