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GeneScan™ 600 LIZ™ dye Size S...



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Applied Biosystems™

GeneScan™ 600 LIZ™ dye Size Standard v2.0

The GeneScan™ 600 LIZ™ Size Standard v2.0 is a fifth dye-labeled high density size standard for the reproducible sizing

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Catalog Number	Quantity
4408399	800 reactions

Catalog number 4408399

Price (MDL)

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The GeneScan™ 600 LIZ™ Size Standard v2.0 is a fifth dye-labeled high density size standard for the reproducible sizing of fragment analysis data. This updated version incorporates manufacturing process enhancements for improved lot to lot consistency and peak height balance compared to the existing GeneScan™ 600 LIZ™ Size Standard. This product is required for normalization on the 3500 Series Genetic Analyzers, and can also be used as a traditional size standard on all of the Applied Biosystems™ capillary electrophoresis systems. Use this size standard for fragments between 20 and 600 bp. The standard contains 36 LIZ™ dye-labeled, single-stranded DNA fragments. Since the standard is labeled with the fifth dye, users can genotype a greater number of markers in a given lane, compared to the four-dye system.

Size Fragments in the 20-600 Nucleotides Range

GeneScan™ 600 LIZ™ Size Standard v2.0 is designed for sizing DNA fragments in the 20-600 nucleotides range and provides 36 single-stranded labeled fragments of: 20, 40, 60, 80, 100, 114, 120, 140, 160, 180, 200, 214, 220, 240, 250, 260, 280, 300, 314, 320, 340, 360, 380, 400, 414, 420, 440, 460, 480, 500, 514, 520, 540, 560, 580 and 600. The sizing curve generated from fragments make the GeneScan™ 600 LIZ™ Size Standard v2.0 ideal for use for a variety of fragment analysis applications such as Microsatellites, Fragment Length Polymorphisms and Relative Fluorescent Quantitation. Each of the DNA fragments is labeled with the LIZ™ fluorophore which results in a single peak when run under denaturing conditions. With the 5th dye LIZ™ your marker fragments can be labeled with the dyes FAM™, VIC™, NED™ or PET™.

For Research Use Only. Not for use in diagnostics procedures.

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Specifications

For Use With (Equipment)	310 Genetic Analyzer, 3500xL Dx Genetic Analyzer, SeqStudio Genetic Analyzer, 3500 Genetic Analyzer, 3500xL Genetic Analyzer, 3500 Dx Genetic Analyzer
Label or Dye	LIZ
Product Type	Dye Size Standard V2.0
Quantity	800 reactions
Shipping Condition	Wet Ice
Product Line	GeneScan, LIZ
Software Type	Fragment Analysis
Starting Material	DNA
Unit Size	Each



Store in refrigerator (2–8°C).



Have questions about this product? Ask our AI assisted search.

Q Ask a question about this product.

What is the shelf life of size standards?

Which fragment analysis applications can I run on the capillary electrophoresis (CE) instruments?

I am following a fragment analysis protocol from a publication and my fragment sizes are different using the same control. Why?

How do I begin troubleshooting my fragment analysis experiment?

Can I switch size standards during a project?

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Frequently asked questions (FAQs)

What size standard do you recommend using with the TrueMark MSI Assay? ▼

During fragment analysis, the larger peaks of my size standard are missing. Why? ▼

During fragment analysis, I am missing the smaller fragments of my size standard. What happened? ▼

During fragment analysis, my sample peaks are really strong, but my size standard peaks are really low. Why is this? ▼

I am observing "failed sizing" in GeneMapper Software. Why? ▼



Certificates

Lot #	Certificate Type	Date	Catalog Number(s)
3499750	Certificate of Analysis	Jun 03, 2026	4408399
3499697	Certificate of Analysis	Jun 03, 2026	4408399
3488136	Certificate of Analysis	May 15, 2026	4408399
3487042	Certificate of Analysis	May 14, 2026	4408399
3480514	Certificate of Analysis	May 05, 2026	4408399

5 results displayed, search above for a specific certificate

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Safety Data Sheets



Scientific Resources

Brochures



[High coverage gene expression profiling on the Applied Biosystems® 3500xL Genetic Analyzer--a sensitive method for detecting gene transcripts](#)

[cms_096022](#)

Application Notes





Reference Materials



 [COVID VIC protocol \(.zip\)](#)

Scientific Guides



 [Protocol: Detection of RNA from SARS-CoV-2 using fragment analysis](#)

Product Information

Manuals



 [Product Sheet: GeneScan 600 LIZ Size Standard v2.0](#)