

FlashGel® Loading Buffers and Markers

Product information

FlashGel® DNA Marker 100 bp – 4 kb
 FlashGel® DNA Marker 100 bp – 3 kb
 FlashGel® DNA Marker 50 bp – 1.5 kb
 FlashGel® QuantLadder 100 bp – 1.5 kb
 FlashGel® RNA Marker 0.5 kb – 9 kb
 FlashGel® Loading Dye
 FlashGel® FLX DNA Prestain Loading Buffer
 FlashGel® FLX RNA Prestain Loading Buffer

Introduction

FlashGel® Markers, QuantLadder and Loading Dye/Buffers were designed to optimize performance of the FlashGel® System.

FlashGel® DNA Markers and FlashGel® QuantLadder

Storage: +4°C for up to 18 months from the date of manufacture

FlashGel® DNA Markers provide accurate size estimation of DNA fragments. The FlashGel® QuantLadder enables both size and quantity estimation. FlashGel® DNA Markers and the FlashGel® QuantLadder are provided ready-to-load for standard FlashGel® Cassettes and may be used with FlashGel® FLX Cassettes after addition of FlashGel® FLX DNA Prestain Loading Buffer. Do not exceed 5 µL per well load volume on FlashGel® Cassettes.

Cat. no.	Product name	Size/format
50473	FlashGel® DNA Marker, 100 bp – 4 kb	500 µL ready-to-load, recommended for 1.2% cassettes Band sizes: 100/200/300/500/800/1250/2000/4000 bp
57033	FlashGel® DNA Marker, 50 bp – 1.5 kb	500 µL ready-to-load, recommended for 2.2% cassettes Band sizes: 50/100/150/200/300/500/800/1500 bp
57034	FlashGel® DNA Marker, 100 bp – 3 kb	500 µL ready-to-load, recommended for double-tier cassettes Band sizes: 100/300/500/800/1500/3000 bp
50475	FlashGel® QuantLadder	250 µL ready-to-load Band sizes: 100/250/400/800/1500 bp

FlashGel® RNA Marker

Storage: -80°C for up to 24 months from the date of manufacture

The FlashGel® RNA Marker consists of RNA transcripts 0.5 kb – 9 kb. For use with FlashGel® RNA Cassettes denature FlashGel® RNA Markers with Formaldehyde Sample Buffer (Cat. No. 50571) for 5 minutes at 65°C. For use with FlashGel® FLX Cassettes denature FlashGel® RNA Markers with FlashGel® FLX RNA Prestain Loading Buffer for 5 minutes at 70°C. Do not exceed 5 µl per well on FlashGel® Cassettes.

Cat. no.	Product name	Size/format
50577	FlashGel® RNA Marker	0.5 kb – 9 kb, 50 µL (1 µg/ mL) Band sizes: 0.5/1.0/1.5/3.0/5.0/ 9.0 kb

FlashGel® Loading Dye

Storage: room temperature for up to 12 months from the date of manufacture

FlashGel® Loading Dye is sample buffer optimized for DNA and native RNA samples run on the FlashGel® System. FlashGel® Loading Dye is provided in a 5X concentration.

For best results, dilute DNA sample into 1X loading dye such that a 5 µL load contains 5 – 20 ng DNA per band.

For native RNA, combine RNA sample with FlashGel® Loading Dye up to a 5 µL per well volume.

Do not exceed final load volume of 5 µL per well on FlashGel® Cassettes.

Cat. no.	Product name	Size/format
50462	FlashGel® Loading Dye	5 x 1 mL vials, 5X concentration

FlashGel® FLX DNA Prestain Loading Buffer

Storage: room temperature for up to 24 months from the date of manufacture

FlashGel® FLX DNA Prestain Loading Buffer contains fluorescent dye and is optimized for detection of DNA and native RNA samples separated on FlashGel® FLX Cassettes. FlashGel® FLX DNA Prestain Loading Buffer is provided in a 5X concentration.

For best results, add 1 µL of FlashGel® FLX DNA Prestain Loading Buffer to 4 µL of nucleic acid/ diluent such that a 5 µL load contains 5 – 20 ng DNA per band.

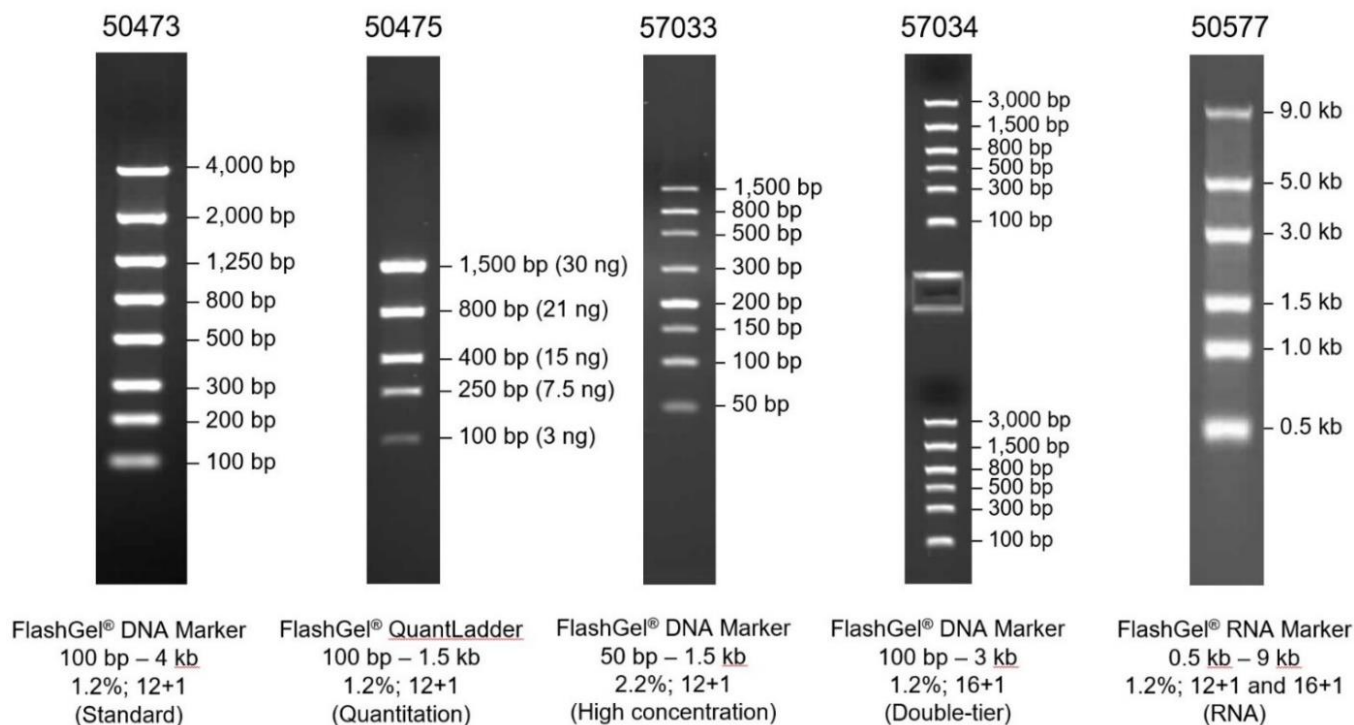
FlashGel® FLX RNA Prestain Loading Buffer

Storage: -20°C for up to 24 months from the date of manufacture

FlashGel® FLX RNA Prestain Loading Buffer is a denaturing sample buffer containing a fluorescent dye optimized for the detection of RNA samples. FlashGel® FLX RNA Prestain Loading Buffer is provided in a 2X concentration.

For best results combine 2.5 µL each of RNA sample and FlashGel® FLX RNA Prestain Loading Buffer, denature for 5 minutes at 70°C, and separate using FlashGel® FLX Cassettes.

Cat. no.	Product name	Size/format
316992	FlashGel® FLX DNA Prestain Loading Buffer	5X loading buffer with DNA stain, 1 mL
316993	FlashGel® FLX RNA Prestain Loading Buffer	2X loading buffer with RNA stain, 1 mL



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