

E-Gel™ Sample Loading Buffer

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Amount	4 × 1.25 mL
Storage	Store at room temperature or at 4°C for up to 6 months. For longer periods, store at -20°C.
Composition	10 mM Tris-HCl (pH 7.6), 2.5 mM EDTA, 0.00125% xylene cyanol FF, 0.0125% tartrazine, 2.5% glycerol

Product description

The E-Gel™ Sample Loading Buffer is a 1X buffer designed for use with E-Gel™ agarose gels. The buffer comes ready to use, and does not require further dilution. It contains the tracking dyes xylene cyanol FF (XCFF) and tartrazine. These dyes allow visual tracking of DNA migration during electrophoresis, and indicate when maximum resolution is achieved.

Sample preparation guidelines

- Determine the appropriate amount of DNA required for each lane of your E-Gel™ agarose gel, and add E-Gel™ Sample Loading Buffer to bring the sample to the recommended sample volume for your E-Gel™ agarose gel.

Gel type ^[1]	Recommended sample volume
E-Gel™ EX Agarose Gel	20 µL
E-Gel™ Agarose Gel with SYBR™ Safe or ethidium bromide	20 µL
E-Gel™ CloneWell™ II Agarose Gel	25 µL
E-Gel™ SizeSelect™ II Agarose Gel	25 µL
E-Gel™ 48 Agarose Gel	15 µL
E-Gel™ 96 Agarose Gel	15 µL

[1] See the **E-Gel™ Technical Guide** for additional information.

- Samples containing ≥50 mM NaCl, 100 mM KCl, 10 mM acetate ions, or 10 mM EDTA (i.e., certain restriction enzyme and PCR buffers) will cause loss of resolution on E-Gel™ agarose gels. Dilute samples 2- to 20-fold for standard E-Gel™ agarose

gels, or 50- to 200-fold for E-Gel™ EX Agarose Gels for best results. See the E-Gel™ Technical Guide for detailed instructions.

Limited product warranty

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