

PRODUCT INFORMATION

Lämmli¹ Sample Buffer (2x), for SDS PAGE**Cat. No. 42526**

Product description:

General	Sample buffer for SDS-PAGE, 2x concentrate.	
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Composition	Components	Concentration
	TRIS/HCl	126 mM
	Glycerol	20 %
	SDS	4 %
	Bromphenolblue	0.02 %
	pH 6.8 ± 0.2	

Storage	Recommended storage temperature is +2 °C to +8 °C. Dissolve SDS precipitation by warming the buffer.
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Instructions:

The sample buffer does not contain any reduction reagent. By adding 10 mM DTT or 5 % 2-mercaptoethanol you receive a reducing sample buffer (concentrations refer to 1x sample buffer). Since the reduction reagents oxidise over time, the buffer should always be freshly prepared.

- Add 10 µL or 100 µL of a 2 M DTT stock solution or 2-mercaptoethanol, respectively, to a 1 mL 2x sample buffer.
- Mix your samples with an equal volume of 2x sample buffer.
- Heat samples for 5 minutes at 95 °C; heat fluorescence-labelled samples for 5 minutes at 65 °C.

¹ U. K. Laemmli, Nature 277, 680 – 685 (1970)