

Description: Loading Buffer IV is used for DNA samples dissolved in water or TE buffer. Loading Buffer IV increases the density of the sample and adds dye for simplifying the loading process for agarose gels.

In 1 % agarose gels, bromphenol blue migrates with 300 bp linear double-stranded DNA fragment, while xylene cyanol FF migrates at approximately the same rate as linear double-stranded DNA fragments of 4 kb length.

Ref No.	306105	color
Loading Buffer IV (10x)	0.5 mL	white
Datasheet	1	--

Concentration: 10x (final 1x: prepare a 1:10 dilution with DNA)

Composition: 0.25 % bromphenol blue, 0.25 % xylene cyanol FF, 100 mM EDTA Na₂ (pH 8), 20 % Ficoll 400, 1 % SDS

Quality control: Agarose gel electrophoresis

Storage: -20 °C (stable at RT for about 6 months)