Datasheet

DNA-Loading buffer 6 x

Application:
For Acrylamide and Agarose Gels

Composition (x6):

60 mM Tris HCl (pH 7,5), 60 mM EDTA, 50 % Glycerol, Xylene Cyanole FF; Tartrazine

Storage condition:
Room temperature, +4°C or -20°C for long term storage

Information about DNA loading Dye:
The loading dye increases the density of the sample and they add colour to the sample, thereby simplifying the loading process. The solution contains dyes that, in an electric field, move toward the anode at predictable rates.

The loading dye contains glycerol to add density and EDTA to inhibit nuclease activities. The buffer is optimized for loading of DNA fragments in a size range of about 100 – 2000 bp.

Application:
Loading dye 306-210 suits well for the DNA samples dissolved either in water or in EDTA-containing buffer (as TE buffer).

How to predilute a DNA ladder with the loading dye?

For DNA markers, apply 0.1 µg per 1 mm of agarose gel lane width. Often 1µg of marker is used in one electrophoresis run but it depends on the size of your gel and the comb.

If DNA markers are not prediluted with the Loading dye solution, then mix: The loading buffer is 6x concentrated, that means you have to use 1 part DNA-Loading Dye and five parts DNA.

Ordering information:

Catalog-No:	Description	amount
306-210	DNA Loading dye 6X	3x1,5 ml

.. a good decision ..

Geneon BioScience - Germany
Contact Phone +49-(0)-621- 5720 864 Fax: +49-(0)-621-5724 462
E-Mail: mailto:info@geneon.net WEB: http://www.GeneOn.net **Version: 10.2021 AST**