

DNA Loading Buffer (10X)

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| 1. Catalog No. | KDS020 |
| 2. Quantity | 2 ml (1 ml x 2) |
| 3. Storage & Stability | Store at -20°C |
| 4. Description | The 10X DNA Loading Dye is used to prepare DNA markers and samples for loading on agarose or polyacrylamide gels. The optimized solution contains two dyes, bromophenol blue and xylene cyanol FF, for visual tracking of DNA migration during electrophoresis. The presence of glycerol in the solution ensures that the same sample forms a layer at the bottom of the well; the EDTA included in the solution binds divalent metal ions and inhibits metal dependent nucleases. |
| 5. Usage Recommendation | <ul style="list-style-type: none">- Add 1 volume of 10X DNA Loading Dye to 9 volumes of DNA sample.- Mix well, spin down and load. |
| 6. Quality Control | Tested for DNA sample preparation prior to agarose gel electrophoresis. |