

# BlueJuice™ Gel Loading Buffer

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|                    |  |
|--------------------|--|
| <b>Amount</b>      | 3 × 1 mL   |
| <b>Storage</b>     | Store at room temperature or at 4°C for up to 6 months.<br>For longer periods, store at -20°C. |
| <b>Composition</b> | 10 mM Tris-HCl (pH 7.6), 60 mM EDTA, 0.03% bromphenol blue, 60% glycerol                       |

## Product description

BlueJuice™ Gel Loading Buffer (10X) is a liquid buffer containing all of the components necessary for easy loading and tracking of DNA samples in agarose or native polyacrylamide gels.

## Prepare sample

- Prepare your DNA samples in 1X loading buffer for separation on agarose gels as described in the following table.

| Reagent                             | Volume   |
|-------------------------------------|----------|
| BlueJuice™ Gel Loading Buffer (10X) | 2 µL     |
| DNA sample                          | x µL     |
| Deionized water                     | to 20 µL |

**Note:** Any concentration may be used in agarose gels without affecting band appearance (except for bands that may be obscured by the bromophenol blue tracking dye).

- Prepare your DNA samples in 0.5X loading buffer for separation on acrylamide gels as described in the following table.

| Reagent                             | Volume   |
|-------------------------------------|----------|
| BlueJuice™ Gel Loading Buffer (10X) | 1 µL     |
| DNA sample                          | x µL     |
| Deionized water                     | to 20 µL |

**Note:** Concentrations higher than 1X applied to native polyacrylamide gels may cause the bands to “smile” slightly.

## Limited product warranty

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