

# Loading Buffer ORANGE

## *Loading Buffer ORANGE*

**Cat. No.** E0264-01  
**Size** 5 x 1ml

**Storage Conditions:**  
Store at +4°C  
(stable for 12 months)  
Long term storage at -20°C.

## 6 x concentrated gel loading buffer

### Description:

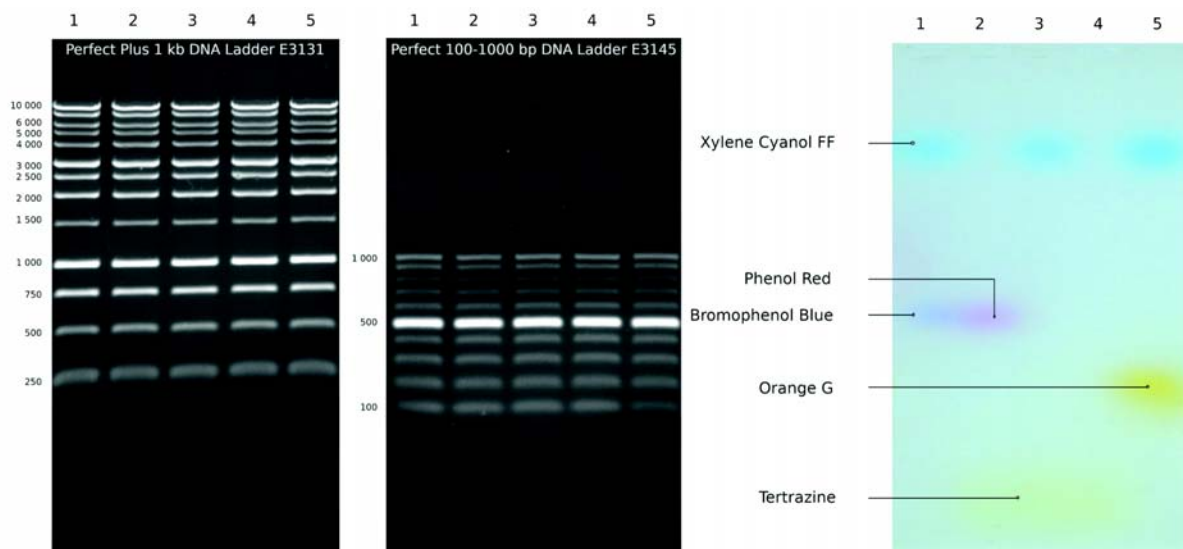
- 6 x Loading Buffer ORANGE is designed for preparing DNA samples to load on agarose and polyacrylamide gels.
- The glycerol content increases the density of the sample and ensures that DNA form a layer at the bottom of the well.
- EDTA inhibits metal dependent nucleases.
- Tracking dyes permit monitoring of progress of electrophoresis.

### Buffer Composition:

10 mM Tris-HCl (pH 7.6), 60 mM EDTA (pH 8.0), 0.03% Xylene Cyanol, 0.15% orange G, 60% [v/v] glycerol.

### Recommended use:

1. Add 1 part of the buffer per 5 parts of DNA sample.
2. In a 1% agarose gel, xylene cyanol FF migrates together with a band of approximately 10000 bp and orange G comigrates with a band size smaller than 50 bp.



- 1 – Loading Buffer Blue (Cat. no. E0260)
- 2 – Loading Buffer Red (Cat. no. E0261)
- 3 – Loading Buffer Green (Cat. no. E0262)
- 4 – Loading Buffer Yellow (Cat. no. E0263)
- 5 – Loading Buffer Orange (Cat. no. E0264)