

# Technical Data Sheet

## MOLEQULE-ON<sup>®</sup>

### **10X Tris-Glycine-SDS (TGS) Buffer**

**Cat No. BF-M-TGS-10X**

#### **DESCRIPTION**

Tris-Glycine-SDS (TGS) running buffer is the most commonly used buffer for SDS-PAGE of proteins. TGS is usually used for both anode and cathode buffer. 10X Tris-Glycine-SDS Buffer is a space-saving stock solution that is ideal for quickly preparing standard Tris-glycine-SDS (pH 8.3) running buffer used for SDS-PAGE (protein polyacrylamide gel electrophoresis). Recommended running conditions is 120 volts for mini vertical gel electrophoresis units.

#### **COMPOSITION**

Dilution of the 10X Tris-Glycine-SDS buffer produces a 1X running buffer containing 25 mM Tris, 192 mM Glycine and 0.1% SDS, pH approx. 8.3.

#### **PREPARATION OF 1X WORKING SOLUTION**

To prepare a one liter of 1X working solution, mix 100ml of 10X Tris-Glycine-SDS Solution with 900ml ultrapure water.

Note: Gently shake the 10X concentrate solution before diluting it.

#### **STORAGE**

Store at 18-25°C.

For laboratory use only. Not intended for any animal or human therapeutic or diagnostic uses.