

## SDS-PAGE Fast Running Buffer(Tris-Gly, 10×)

**Cat:** G4839

**Size:** 500mL/10×500mL

**Storage:** RT, valid for 1 year.

### Introduction

SDS-PAGE Fast Running Buffer(Tris-Gly, 10×) is an improved SDS-PAGE fast running buffer based on the conventional Tris-Gly buffer system. This solution has the following advantages compared to traditional running buffer: ① It can perform constant pressure running at 200V, with less heat generation and low temperature; ② Significantly improve running efficiency, shorten running time, and complete SDS-PAGE protein running in about 30 minutes; ③ The obtained protein bands are sharp and clear, without dragging; ④ Good separation effect for small molecular weight proteins; ⑤ It is suitable for fast running of conventional dye free gel or premix (suitable for Tris-Gly running) with different concentrations, and has better separation effect for low concentration gels such as 6%, 8% and 10%.

This product is 10 times concentrated (10×) Solution, needs to be diluted with water to 1× before use. This product is only used for scientific research experiments and cannot be used for clinical diagnosis or other purposes.

### Protocol(for reference only)

**Prepare for use:** Dilute and prepare SDS-PAGE Fast Running Buffer(Tris-Gly, 1×) according to the required amount of running solution. Taking 1L as an example, measure 100mL of SDS-PAGE Fast Running Buffer(Tris-Gly, 10×) into a clean graduated cylinder, add deionized water to a constant volume of 1L, mix well, and prepare SDS-PAGE Fast Running Buffer(Tris-Gly, 1×); Unused running solution can be stored at room temperature, usually for 2-3 days at room temperature and 1-2 weeks at 4°C.

**Running conditions:** For regular size SDS-PAGE gel, the recommended running voltage for using this running solution is 150V-200V. In general, under constant voltage running at 200V, it only takes 25-30 minutes to complete running with a 10% concentration of separation gel. If a smoother and sharper band is needed, the voltage can be adjusted to 100-150V, and the running time needs to be appropriately extended.

### Note

1. The prepared running solution should not be left for more than two weeks. If discoloration or precipitation occurs, please prepare fresh running solution again. In order to achieve the best running effect, it is best to prepare the running solution on the spot.
2. This product is a high concentration solution, and precipitation may occur during transportation at low temperatures. Usually, magnetic stirring at room temperature (20-30°C) for about 10-30 minutes or appropriate temperature incubation (37 °C, 0.5-2 hours) can completely dissolve the precipitation.
3. For your safety and health, please wear laboratory clothes and disposable gloves when operating.

### Related products

- T1070 Tris-Glycine Running Buffer, 5×
- D1060 WB Transfer Buffer, 10×
- G4829 PAGE Gel Accelerator (Not TEMED)
- G4840 Stain Free SDS-PAGE Gel Casting Kit(6%)
- G4841 Stain Free SDS-PAGE Gel Casting Kit(8%)
- G4842 Stain Free SDS-PAGE Gel Casting Kit(10%)
- G4843 Stain Free SDS-PAGE Gel Casting Kit(12%)
- G4844 Stain Free SDS-PAGE Gel Casting Kit(15%)