

**1. Safety warnings and precautions**

Correct operations are necessary. Safety warnings and precautions of this product. The complete instructions should be read and fully understood before attempting to use the product.

The Procedure described in the instruction manual applies only to the use for the intended purpose. Using the product for any purpose other than the intended use or in any manner other than that described in the manual is forbidden.

User shall be liable for all safety measures needed for any use other than specified in the manual.

**2. Introduction**

EzRun is an electrophoresis buffer for SDS-Polyacrylamide gel electrophoresis using a discontinuous buffer system.

**3. Package**

*EzRun*.....1 bag

**4. Component**

- Tris ..... 30.3 g
- Glycine ..... 144.1 g
- SDS ..... 10 g

Dissolve powder with distilled water to a final volume of 1 L for making 10×stock solution.

Composition of 10×stock solution

- Tris 0.25 M
- Glycine 1.92 M
- SDS 1 % ( w/v )

Composition of 1×working solution

- Tris 25 mM
- Glycine 192 mM
- SDS 0.1 % ( w/v )

**5. Procedure**

1. Open the bag of EzRun and dissolve the powder in approximately 700 mL of distilled water.
2. Put approximately 20 mL of distilled water into the bag to dissolve the remaining powder and combine the aliquot with the solution prepared in 1 above.
3. After dissolved the powder completely, add distilled water to give a final volume of 1 L.
4. Store the solution in a container with a lid. It becomes a stock solution.
5. When using in SDS-PAGE, dilute the stock solution 10 times with distilled water. For detailed information on electrophoresis, follow the instruction manual for the electrophoresis apparatus.

\* Do not reuse buffer previously used.

**6. Storage**

- EzRun (powder) should be stored at room temperature in good ventilation, avoiding direct light. Unopened reagent is stable until mentioned expiration date.
- The 10×stock solution should be stored at room temperature, avoiding direct light. When stored as directed, it is stable for about 6 months.
- SDS may be crystallized in low temperatures. Warm the solution with lukewarm water to dissolve the crystalline completely, before use.
- The 1×working solution should be stored at room temperature, avoiding direct light. When stored as directed, it is stable for about 6 months.



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