

ClearBand 10x Tris-Glycine Buffer Troubleshooting Guide

500 ml, 1000 ml

Cat No: TG05, TG10

Use this guide for common preparation problems with ClearBand 10x Tris-Glycine Buffer. The product is a concentrated stock for preparing standard Tris-glycine transfer buffer used in Western blotting and is prepared with ultrapure water and filter sterilized.

Before You Start - Quick Checks

1. Store at 4-8°C.
2. Use the product as a 10x stock when preparing the transfer buffer required by the Western blot protocol.
3. Confirm the final transfer-buffer formulation required by the blotting workflow.
4. Use clean vessels and clean handling when preparing working buffer.

Problem	Most likely cause	Recommended action
Transfer buffer concentration is incorrect	The 10x stock may have been diluted incorrectly.	Recalculate the amount of 10x stock required for the final transfer-buffer volume and prepare a fresh batch.
Transfer performance varies between runs	The working transfer buffer may not be prepared consistently from the 10x stock.	Standardize the dilution and final transfer-buffer formulation across runs.
Stock was stored at room temperature	Storage did not follow the datasheet recommendation.	Return the stock to 4-8°C storage and verify its condition before preparing new transfer buffer.
Prepared volume is incorrect	The stock volume may not have been included in the final-volume calculation.	Prepare to the intended final volume using the calculated amount of 10x stock plus the remaining components/diluent required by the protocol.
Unexpected transfer result after changing buffer	The new working buffer may differ in concentration or composition from the previous transfer buffer.	Confirm that the final formulation prepared from the 10x stock matches the validated Western blot transfer protocol.
Concern about contamination	Clean handling may have been lost while repeatedly dispensing the filter-sterilized stock.	Use clean vessels and clean dispensing technique when preparing transfer buffer.
Wrong buffer was used as running buffer	This product is described as a stock for Tris-glycine transfer buffer.	Use it for the intended transfer-buffer preparation rather than assuming it is interchangeable with Tris/Glycine/SDS running buffer.
Run-to-run reproducibility is poor	Storage, dilution, or final transfer-buffer preparation may not be standardized.	Standardize 4-8°C stock storage and the exact transfer-buffer preparation used for each blot.

Still having trouble? Recheck 4-8°C stock storage, the 10x-based dilution, and the final transfer-buffer formulation required by the validated Western blot workflow.