



Immunoassay Buffers

Save preparation time with KPL's new line of quality buffers!

Lighten your work load with KPL's new line of quality buffers. Offered as convenient liquid concentrates, they eliminate the need for time-consuming buffer preparation. KPL buffers are manufactured and carefully controlled for quality and consistent performance with our ISO 9001:2008-

registered quality management system. All buffers are conductivity controlled. KPL offers a variety of buffers designed for use in general immunoassay applications such as Western blotting, gel electrophoresis, ELISA and sample preparation.

Description	1X Composition	Applications
10X Tris-Glycine Transfer Buffer	25 mM Tris, 192 mM glycine. pH 8.3	For preparing a standard Western blot transfer buffer (Towbin) and as a gel electrophoresis buffer for native Tris-glycine gels without SDS.
10X Tris-Glycine-SDS	25 mM Tris, 192 mM glycine, 0.1% SDS. pH 8.3	Running buffer for sodium dodecyl sulfate – polyacrylamide gel electrophoresis (SDS-PAGE) of proteins.
10X Phosphate-Buffered Saline (PBS)	10 mM Phosphate, 150 mM NaCl. pH 7.4	Wash buffer for general immunoassay applications and sample preparation. Where applicable, Tween 20 is a nonionic detergent that reduces nonspecific binding and protein-protein interaction during wash steps.
Phosphate-Buffered Tween 20, (PBST)	10 mM Phosphate, 150 mM NaCl, 0.05% Tween 20. pH 7.4	
10X Tris-Buffered Saline (TBS)	50 mM Tris, 150 mM NaCl. pH 7.6	
10% Tween 20	10% Tween 20	Nonionic detergent additive for PBS and Western blotting wash solutions. Reduces nonspecific binding and protein-protein interactions.

See reverse side.



KPL Quality Buffers (cont'd)

Description	1X Composition	Applications
5% SDS	5% Sodium Dodecyl Sulfate	Detergent surfactant used in preparing proteins for sodium dodecyl sulfate – polyacrylamide gel electrophoresis (SDS-PAGE) and as an additive to transfer buffers in Western blotting. SDS increases the elution rate of proteins from the gel.
20X SSC	15 mM sodium citrate, 150 mM NaCl in DEPC water. pH 7.0	Used in a variety of molecular biology applications. Facilitates transfer of nucleic acids to membranes.
10X Dulbecco's PBS (D-PBS)	8.5 mM sodium phosphate, 1.5 mM potassium phosphate, 137 mM NaCl. pH 7.4	For sample preparation and as a wash buffer in general immunoassay, tissue, and cell culture applications. Not formulated with magnesium or calcium salts. Where applicable, Tween 20 is a non-ionic detergent that reduces nonspecific binding.
10X Dulbecco's with Tween 20 (D-PBST)	8.5 mM sodium phosphate, 1.5 mM potassium phosphate, 137 mM NaCl, 2.7 mM KCl. 0.05% Tween 20. pH 7.4	
10X Tris-Buffered Saline with 0.5% Tween 20 (TBST)	50 mM Tris, 150 mM NaCl, 0.05% Tween 20. pH 7.6	As a general wash buffer in immunoassay applications. Tween 20 is a non-ionic detergent that reduces nonspecific binding. The 10% Tween 20 formulation provides a more stringent wash than standard TBST formulations.
10X Tris-Buffered Saline with 10% Tween 20 (TBST)	50 mM Tris, 150 mM NaCl, 1.0% Tween 20. pH 7.6	

Take the time and effort out of your buffer preparation. Choose from our line of popular buffers and enjoy the benefits - convenience, reliability and confidence - that KPL's pretested, quality buffers bring to your research.

Ordering Information

Catalog#	Description	Size
51-10-01	10X Tris-Glycine Transfer Buffer	1 L
51-10-02		5 L
51-11-01	10X Tris-Glycine SDS Buffer	1 L
51-11-02		5 L
51-13-01	10X Phosphate-Buffered Saline (PBS)	1 L
51-13-02		5 L
51-14-01	10X Phosphate-Buffered Saline with	200 mL
51-14-02	Tween 20 (PBST)	1 L
51-17-01	10X Tris-Buffered Saline (TBS)	1 L
51-17-02		5 L
51-12-01	10% Tween 20	200 mL
51-12-02		1 L
51-20-01	5% SDS	200 mL
50-86-05	20X SSC	1 L
51-15-01	10X Dulbecco's PBS (D-PBS)	1 L
51-15-02		5 L
51-16-01	10X Dulbecco's PBS with Tween 20 (D-PBST)	200 mL
51-16-02		1 L
51-18-01	10X Tris Buffered Saline with 0.5% Tween 20	200 mL
51-18-02	(TBST)	1 L
51-19-01	10X Tris Buffered Saline with 10% Tween 20	200 mL
51-19-02	(TBST)	1 L



To order or for more information on KPL's full line of protein detection products, contact us at 800.638.3167 / 301.948.7755, fax 301.948.0169 or visit us at www.kpl.com.

Other Immunoassay Support
Reagents Available from KPL

ELISA and Western Blotting

Applications:

- AP and HRP Conjugate Stabilizers
- 10% BSA Diluent/Blocking Solution Concentrate
- Milk/Diluent Blocking Solution Concentrate
- 20X Wash Solution Concentrate

Western Blotting Applications:

- Detector Block
- Biotin Wash Kit

ELISA Applications:

- Coating Solution Concentrate
- Stop Solutions



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