

## QuickSilver™ Powdered Buffer Packs

### Description

QuickSilver™ Powdered Buffer Packs allow for making fresh 1X buffer on demand. Each pouch makes 1L of a 1X working solution. Manufactured through a proprietary process, quality and consistency are guaranteed.

QuickSilver Buffers are quick and easy to prepare - simply empty pouch into water and stir. No weighing, diluting or pH adjusting.

### Storage

The buffer pouches are supplied in a convenient dispenser box. The dispenser should be stored at room temperature in a clean, dry location. Protect from moisture.

### Limitations of Use

For research purposes only. Not intended for therapeutic or diagnostic use.


### Instructions

To make 1 liter of 1X solution:

1. Add contents of buffer pouch to a graduated cylinder or beaker.
2. Slowly add distilled water to 1 liter.
3. Mix well until all granules are dissolved (a magnetic stirrer can be used for faster results).
4. Add additional water to bring the volume to 1L, if necessary.

Cell culture and chromatography applications may require a high purity buffer. For these applications, it is recommended to use ultra-pure water and filter the buffer through a 0.22µm filter after dissolved. Also be sure to use a clean, sterile container.

Included labels can be placed on bottles.

 Read and follow handling instructions on the SDS (available at [www.accuris-usa.com](http://www.accuris-usa.com)). Wear proper protective eyewear, clothing and glasses. Clean up any spills immediately.

Buffer	Cat #	1X solution in water	pH Range	Max dissolve
TAE	EB1000	40mM Tris, 20mM acetic acid, 1mM EDTA	8.2-8.4	5 minutes
TBE	EB1001	89mM Tris, 89mM boric acid, 2mM EDTA	8.2-8.5	8 minutes
Fast running buffer	EB1002	Proprietary Formulation for nucleic acid electrophoresis	8.1-8.5	8 minutes
Tris-Glycine-SDS	EB1100	25mM Tris, 192mM Glycine, 0.1% SDS	8.1-8.5	200 seconds
Tris-MES-SDS	EB1101	50mM Tris, 50mM MES, 0.1%SDS, 1mM EDTA	6.8-7.2	200 seconds
Tris-MOPS-SDS	EB1102	50mM Tris, 50mM MOPS, 0.1%SDS, 1mM EDTA	7.5-7.9	200 seconds
PBS	EB1200	137 mM NaCl, 2.7 mM KCl, 10mM phosphate	7.2-7.6	100 seconds
PBST	EB1201	137 mM NaCl, 2.7 mM KCl, 10mM phosphate, 0.05% Tween-20	7.2-7.6	100 seconds
TBS	EB1202	137 mM NaCl, 2.7 mM KCl, 50 mM Tris	7.25-7.55	100 seconds
TBST	EB1203	137 mM NaCl, 2.7 mM KCl, 50 mM Tris, 0.1% Tween-20	7.25-7.55	100 seconds

### Quality Control

QuickSilver Buffers are tested for pH, solubility and the absence of nuclease and protease activity. This product is manufactured under a comprehensive quality management system, following ISO 9001:2008 standards.

### Technical Support

For trouble-shooting and tech support, contact us at [info@accuris-usa.com](mailto:info@accuris-usa.com) or call 908 769-5555.

Accuris is not responsible for consequential or incidental damages, whether direct or indirect, resulting from use of this product. Accuris guarantees the performance of this product as described when used in accordance with these instructions.

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### Package contents and reordering

QuickSilver Powdered Buffers are supplied in pouches that will make 1 liter of buffer at a concentration of 1X.

#### DNA Electrophoresis Buffers:

##### TAE (Tris-Acetate-EDTA)

100 pouches/box Cat # EB1000

##### TBE (Tris-Borate-EDTA)

50 pouches/box Cat # EB1001

##### Fast Running Buffer

100 pouches/box Cat # EB1002

#### Protein Electrophoresis Buffers:

##### Tris-Glycine-SDS

50 pouches/box Cat # EB1100

##### Tris-MES-SDS

50 pouches/box Cat # EB1101

##### Tris-MOPS-SDS

50 pouches/box Cat # EB1102

### Western blotting, ELISA, cell culture and chromatography buffers:

#### PBS (Phosphate-buffered saline)

100 pouches/box Cat # EB1200

#### PBST (Phosphate-buffered saline with Tween 20)

100 pouches/box Cat # EB1201

#### TBS (Tris-buffered saline)

100 pouches/box Cat # EB1202

#### TBST (Tris-buffered saline with Tween 20)

100 pouches/box Cat # EB1203



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**QuickSILVER™**  
Powdered Buffer Packs

### Electrophoresis Buffers:

TAE TBE

Fast Running Buffer

Tris-Glycine-SDS

Tris-MES-SDS

Tris-MOPS-SDS

### Western Blotting, ELISA and Cell Culture Buffers:

PBS PBST

TBS TBST

Accuris Life Science Reagents