

PAGE Buffers

Five buffers are available in powder sachets for a range of native and denaturing protein gel electrophoresis techniques.

Each powder sachet, which is supplied as a 10-pack, may be reconstituted to make 1 litre of working solution. Running buffers are also available in 1 litre and 5 litre volumes as ready made 10x Tris-Glycine and 10x Tris-Glycine-SDS solutions.



KEY FEATURES

- Convenient, pre-made stock solution or powder – just dilute or dissolve as necessary with water
- Save time & trouble – no weighing, pH adjustment or need to stock individual compounds
- Long shelf-life
- Consistency assured – rigorous QC for reproducible separations

TECHNICAL SPECIFICATIONS

Powder Buffer	Composition	Applications
Tris-Glycine SDS	Each litre of 1x working solution contains: Tris-base (25mM); glycine (192mM); SDS, 0.1% (w/v); followed by distilled water. Working solution pH = 8.3.	Denaturing SDS-PAGE for most cellular proteins 10-200kDa in size
Tris-Glycine	Each litre of 1x working solution contains: Tris-base (25mM); glycine (192mM); followed by distilled water. Working solution pH = 8.3.	Native PAGE
Tris-Tricine-SDS	Each litre of 1x working solution contains: Tris-base (0.1M); tricine, (0.1M); SDS, 0.1% (w/v); followed by distilled water. Working solution pH = 8.25.	Denaturing SDS-PAGE, with greater resolving power for small proteins 2-20kDa in size
MOPS-SDS	Each litre of 1x working solution contains: MOPS (50mM); Tris Base (50mM); SDS, 0.1% (w/v); EDTA (1mM); followed by distilled water. Working solution pH = 7.7.	Denaturing SDS-PAGE for medium- to large-sized proteins
MES-SDS	Each litre of 1x working solution contains: MES (50mM final stock concentration); Tris Base (50mM); SDS, 0.1% (w/v); EDTA (1mM); followed by distilled water. Working solution pH = 7.3.	Denaturing SDS-PAGE for small- to medium-sized proteins; faster than MOPS

BP Grade ultra pure water

BP Grade Sterile Water has endotoxins removed by electrostatic filtration at the final purification stage prior to autoclaving. The LAL tested water conforms to the standard having less than <0.25EU/ml to ensure the water is of pre-requisite quality. This product is therefore pyrogen free. CFU>0 WFi compatible.

Ponceau S

Ponceau S staining solution is reusable and available in a convenient 500ml volume for membrane staining and early protein detection following transfer before western blotting. Ponceau S may also be supplied as a powder staining kit for long-term storage.

ORDERING INFORMATION

POWDER BUFFERS

CSL-TGSDSP	Powdered Tris-Glycine-SDS Running buffer - 10 Sachets (10 litres/pk)
CSL-TGP	Powdered Tris-Glycine Running buffer - 10 Sachets (10 litres/pk)
CSL-TTSDSP	Powdered Tris-Tricine-SDS Running buffer - 10 Sachets (10 litres/pk)
CSL-MSDSP	Powdered MOPS-SDS buffer Running buffer - 10 Sachets (10 litres/pk)
CSL-MESDSP	Powdered MES-SDS buffer Running buffer - 10 Sachets (10 litres/pk)
CSL-PSS	Ponceau S staining solution (500ml)
UPW1000	BP Grade Sterile Water, 1000ml
RFW250	RNase-Free Water, 1x250ml

LIQUID BUFFERS

TG10X1L	Buffer Tris-Glycine 10 x 1 litre
TG10X5L	Buffer Tris-Glycine 10 x 5 litre
TG-SDS10X1L	Buffer Tris-Glycine SDS 10 x 1 litre
TG-SDS10X5L	Buffer Tris-Glycine SDS 10 x 5 litre
CSL-PSB	Ponceau S staining solution powder staining kit (makes 2000ml)
RFW50X5	RNase-Free Water, 50x5ml