

P R E C A R E G E N E

# Pre-Made Buffers

## 1M Tris-HCl, pH 6.8

Cat No.	Size	Temp.
PB-1001-0500	500ml	Room Temp.



### ▪ Description

1M Tris (Hydroxymethyl) aminomethane buffer, pH 6.8, pH adjusted with hydrochloric acid, Sterile Solution

### ▪ Application

Suitable for molecular biology, protein chemistry and biochemical applications

## 1M Tris-HCl, pH 6.8

Cat No.	Size	Temp.
PB-1001-1000	1L	Room Temp.



### ▪ Description

1M Tris (Hydroxymethyl) aminomethane buffer, pH 6.8, pH adjusted with hydrochloric acid, Sterile Solution

### ▪ Application

Suitable for molecular biology, protein chemistry and biochemical applications

## 1M Tris-HCl, pH 7.0

Cat No.	Size	Temp.
PB-1002-0500	500ml	Room Temp.



### ▪ Description

1M Tris (Hydroxymethyl) aminomethane buffer, pH 7.0, pH adjusted with hydrochloric acid, Sterile Solution

### ▪ Application

Suitable for molecular biology, protein chemistry and biochemical applications

## 1M Tris-HCl, pH 7.0

Cat No.	Size	Temp.
PB-1002-1000	1L	Room Temp.



### ▪ Description

1M Tris (Hydroxymethyl) aminomethane buffer, pH 7.0, pH adjusted with hydrochloric acid, Sterile Solution

### ▪ Application

Suitable for molecular biology, protein chemistry and biochemical applications

## 1M Tris-HCl, pH 7.5

Cat No.	Size	Temp.
PB-1003-0500	500ml	Room Temp.



### ▪ Description

1M Tris (Hydroxymethyl) aminomethane buffer, pH 7.5, pH adjusted with hydrochloric acid, Sterile Solution

### ▪ Application

Suitable for molecular biology, protein chemistry and biochemical applications

## 1M Tris-HCl, pH 7.5

Cat No.	Size	Temp.
PB-1003-1000	1L	Room Temp.



### ▪ Description

1M Tris (Hydroxymethyl) aminomethane buffer, pH 7.5, pH adjusted with hydrochloric acid, Sterile Solution

### ▪ Application

Suitable for molecular biology, protein chemistry and biochemical applications

## 1M Tris-HCl, pH8.0

Cat No.	Size	Temp.
PB-1004-0500	500ml	Room Temp.



### ▪ Description

1M Tris (Hydroxymethyl) aminomethane buffer, pH 8.0, pH adjusted with hydrochloric acid, Sterile Solution

### ▪ Application

Suitable for molecular biology, protein chemistry and biochemical applications

## 1M Tris-HCl, pH8.0

Cat No.	Size	Temp.
PB-1004-1000	1L	Room Temp.



### ▪ Description

1M Tris (Hydroxymethyl) aminomethane buffer, pH 8.0, pH adjusted with hydrochloric acid, Sterile Solution

### ▪ Application

Suitable for molecular biology, protein chemistry and biochemical applications

## 1.5M Tris-HCl, pH8.8

Cat No.	Size	Temp.
PB-1005-0500	500ml	Room Temp.



### ▪ Description

1.5M Tris (Hydroxymethyl) aminomethane buffer, pH 8.8, pH adjusted with hydrochloric acid, Sterile Solution

### ▪ Application

Suitable for molecular biology, protein chemistry and biochemical applications

## 1.5M Tris-HCl, pH8.8

Cat No.	Size	Temp.
PB-1005-1000	1L	Room Temp.



### ▪ Description

1.5M Tris (Hydroxymethyl) aminomethane buffer, pH 8.8, pH adjusted with hydrochloric acid, Sterile Solution

### ▪ Application

Suitable for molecular biology, protein chemistry and biochemical applications

## 1M Calcium Chloride Solution

Cat No.	Size	Temp.
PB-1040-0100	100ml	Room Temp.



### ▪ Description

1M CaCl<sub>2</sub>, 0.2µm Filter-sterile solution

### ▪ Application

Suitable for molecular biology

## 1M Citric Acid

Cat No.	Size	Temp.
PB-1041-1000	1L	Room Temp.



### ▪ Description

1M Citric Acid, 0.2µm Filter-sterile solution

### ▪ Application

Suitable for molecular biology

## 3M Sodium Acetate, pH5.2

Cat No.	Size	Temp.
PB-1043-0500	500ml	Room Temp.



### ▪ Description

3M Sodium Acetate Solution. pH5.2, pH adjusted with glacial acetic acid, 0.2µm Filter-sterile solution

### ▪ Application

Suitable for molecular biology

## 3M Sodium Acetate, pH7.0

Cat No.	Size	Temp.
PB-1044-0500	500ml	Room Temp.



### ▪ Description

3M Sodium Acetate Solution. pH5.2, pH adjusted with acetic acid, 0.2µm Filter-sterile solution

### ▪ Application

Suitable for molecular biology

## 5M Sodium Chloride Solution

Cat No.	Size	Temp.
PB-1045-0500	500ml	Room Temp.



### ▪ Description

5M Sodium chloride solution, Sterile Solution

### ▪ Application

Suitable for molecular biology

## 10M Ammonium Acetate

Cat No.	Size	Temp.
PB-1033-0100	100ml	Room Temp.



### ▪ Description

10M Ammonium Acetate, 0.2µm Filter-sterile solution

### ▪ Application

Suitable for molecular biology

## 7.5M Ammonium Acetate

Cat No.	Size	Temp.
PB-1034-0100	100ml	Room Temp.



### ▪ Description

7.5M Ammonium Acetate, 0.2µm Filter-sterile solution

### ▪ Application

Suitable for molecular biology

## 1M DTT Solution

Cat No.	Size	Temp.
PB-1054-0010	10 X 1ml	Freezing



### ▪ Description

1M DTT, 0.01M Sodium acetate, pH 5.2,  
0.2µm Filter-sterile solution

### ▪ Application

Suitable for molecular biology

## 10% Ammonium persulfate solution

Cat No.	Size	Temp.
PB-1035-0010	10 X 1ml	Cooling



### ▪ Description

10% Ammonium Persulfate Solution, 0.2µm Filter-sterile solution

### ▪ Application

Suitable for molecular biology

## 50% Glycerol Solution

Cat No.	Size	Temp.
PB-1049-0500	500ml	Room Temp.



### ▪ Description

50% glycerol, Sterile solution

### ▪ Application

For use in growth media

## 0.5M EDTA Solution, pH8.0

Cat No.	Size	Temp.
PB-1046-0500	500ml	Room Temp.



### ▪ Description

0.5M EDTA, pH adjusted to 8.0 with Sodium hydroxide,  
Sterile solution

### ▪ Application

Suitable for molecular biology

## 0.1M IPTG solution

Cat No.	Size	Temp.
PB-1052-0010	10 X 1ml	Freezing



### ▪ Description

0.1M IPTG, 0.2µm Filter-sterile solution

### ▪ Application

Suitable for molecular biology

## 0.5M EDTA Solution, pH8.0

Cat No.	Size	Temp.
PB-1046-1000	1L	Room Temp.



### ▪ Description

0.5M Na<sub>2</sub>EDTA, pH adjusted to 8.0 with Sodium hydroxide,  
Sterile solution

### ▪ Application

Suitable for molecular biology

## X-gal Solution (20mg/ml)

Cat No.	Size	Temp.
PB-1053-0005	5 X 1ml	Freezing



### ▪ Description

20mg/ml X-Gal solution in dimethylformamide

### ▪ Application

Suitable for beta-galactosidase assay

## Ampicillin stock solution (100mg/ml)

Cat No.	Size	Temp.
PB-1050-0010	10 X 1ml	Freezing



### Description

100mg/ml Ampicillin, 0.2µm Filter-sterile solution

### Application

Suitable for bacteria cell culture

## 50X TAE buffer

Cat No.	Size	Temp.
PB-1017-1000	1L	Room Temp.



### Description

2M Tris-Acetate, 50mM EDTA. 0.2µm Filter-sterile solution

### Application

DNA Sequencing, agarose gel electrophoresis

## Kanamycin stock solution (50mg/ml)

Cat No.	Size	Temp.
PB-1051-0010	10 X 1ml	Freezing



### Description

50mg/ml Kanamycin sulfate Solution, 0.2µm Filter-sterile solution

### Application

Suitable for bacteria cell culture

## 10X TBE buffer

Cat No.	Size	Temp.
PB-1018-0500	500ml	Room Temp.



### Description

890mM Tris-Borate, 20mM EDTA, 0.2µm Filter-sterile solution

### Application

DNA Sequencing, agarose gel electrophoresis

## 10X TAE buffer

Cat No.	Size	Temp.
PB-1016-1000	1L	Room Temp.



### Description

0.4M Tris-Acetate, 10mM EDTA. Filter-sterile Solution

### Application

DNA Sequencing, agarose gel electrophoresis

## 10X TBE buffer

Cat No.	Size	Temp.
PB-1018-1000	1L	Room Temp.



### Description

890mM Tris-Borate, 20mM EDTA, 0.2µm Filter-sterile solution

### Application

DNA Sequencing, agarose gel electrophoresis

## 50X TAE buffer

Cat No.	Size	Temp.
PB-1017-0500	500ml	Room Temp.



### Description

2M Tris-Acetate, 50mM EDTA. Filter-sterile Solution

### Application

DNA Sequencing, agarose gel electrophoresis

## 5X TBE buffer

Cat No.	Size	Temp.
PB-1019-0500	500ml	Room Temp.



### Description

445mM Tris-Borate, 10mM EDTA, 0.2µm Filter-sterile solution

### Application

DNA Sequencing, agarose gel electrophoresis

## 5X TBE buffer

Cat No.	Size	Temp.
PB-1019-1000	1L	Room Temp.



### ▪ Description

445mM Tris-Borate, 10mM EDTA, 0.2µm Filter-sterile solution

### ▪ Application

DNA Sequencing, agarose gel electrophoresis

## 20X TBS buffer

Cat No.	Size	Temp.
PB-1021-1000	1L	Room Temp.



### ▪ Description

495mM Tris, 2.74M Sodium Chloride, 54mM Potassium Chloride, pH 7.4, pH adjusted with hydrochloric acid, Sterile Solution

### ▪ Application

Suitable for molecular biology

## 10X MOPS buffer

Cat No.	Size	Temp.
PB-1020-0100	100ml	Room Temp.



### ▪ Description

200mM MOPS free acid, 10mM EDTA, 50mM Sodium Acetate treated with DEPC. 0.2µm Filter-sterile solution

### ▪ Application

Suitable for molecular biology, protein chemistry

## 5X SDS-PAGE Loading buffer w/DTT

Cat No.	Size	Temp.
PB-1032-0010	10 X 1ml	Freezing



### ▪ Description

250mM Tris-HCl, pH 6.8, 0.5M DTT, 10% SDS, 50% Glycerol, 0.5% Bromophenol blue

### ▪ Application

Suitable for SDS-PAGE gel sample loading

## 10X MOPS buffer

Cat No.	Size	Temp.
PB-1020-0500	500ml	Room Temp.



### ▪ Description

200mM MOPS free acid, 10mM EDTA, 50mM Sodium Acetate and 10mM EGTA, treated with DEPC. 0.2µm Filter-sterile solution

### ▪ Application

Suitable for molecular biology, protein chemistry

## 10X Tris-Glycine Running buffer (W/O SDS)

Cat No.	Size	Temp.
PB-1022-0500	500ml	Room Temp.



### ▪ Description

250mM Tris, 1.92 M Glycine, 0.2µm Filter-sterile solution

### ▪ Application

Western blot transfer and native gel electrophoresis

## 10X MOPS buffer

Cat No.	Size	Temp.
PB-1020-1000	1L	Room Temp.



### ▪ Description

200mM MOPS free acid, 10mM EDTA, 50mM Sodium Acetate and 10mM EGTA, treated with DEPC. 0.2µm Filter-sterile solution

### ▪ Application

Suitable for molecular biology, protein chemistry

## 10X Tris-Glycine Running buffer (W/O SDS)

Cat No.	Size	Temp.
PB-1022-1000	1L	Room Temp.



### ▪ Description

250mM Tris, 1.92 M Glycine, 0.2µm Filter-sterile solution

### ▪ Application

Western blot transfer and native gel electrophoresis

## 10X Tris-Glycine SDS Running buffer

Cat No.	Size	Temp.
PB-1023-0500	500ml	Room Temp.



### Description

250mM Tris, 1.92M Glycine, 1% SDS, 0.2µm Filter-sterile solution

### Application

Denaturing polyacrylamide gel electrophoresis of proteins

## 10X Tris-Glycine SDS Running buffer

Cat No.	Size	Temp.
PB-1023-1000	1L	Room Temp.



### Description

250mM Tris, 1.92M Glycine, 1% SDS, 0.2µm Filter-sterile solution

### Application

Denaturing polyacrylamide gel electrophoresis of proteins

## 10X TBS buffer

Cat No.	Size	Temp.
PB-1048-1000	1L	Room Temp.



### Description

248mM Tris, 1.37M Sodium Chloride, 27mM Potassium Chloride, pH 7.4, pH adjusted with hydrochloric acid, Sterile Solution

### Application

Suitable for molecular biology

## Coomassie Blue G250 staining solution

Size	Size	Temp.
PB-1036-1000	1L	Room Temp.



### Description

0.05% Methanol, 0.05% Coomassie blue G-250, 10% Acetic acid, Stain solution. 0.2µm Filter-sterile solution

### Application

Used as a protein stain commonly used with polyacrylamide gels

## Coomassie Blue R250 staining solution

Cat No.	Size	Temp.
PB-1037-1000	1L	Room Temp.



### Description

45% Methanol, 0.05% Coomassie blue R-250, 10% Acetic acid, Stain solution. 0.2µm Filter-sterile solution

### Application

Used as a protein stain commonly used with polyacrylamide gels. A sensitive protein stain

## SDS-PAGE Destaining solution

Cat No.	Size	Temp.
PB-1038-1000	1L	Room Temp.



### Description

45% Methanol, 10% Glacial Acetic Acid

### Application

1X SDS-PAGE Destain Solution is ready-to-use as a working solution and requires no further dilution

## Western Blot Stripping Buffer

Cat No.	Size	Temp.
PB-1039-0500	500ml	Room Temp.



### Description

20% SDS (10%), 62.5mM Tris-HCl (pH 6.8), 0.8% 2-mercaptoethanol

### Application

Suitable for western blotting

## 10% SDS solution

Cat No.	Size	Temp.
PB-1006-0100	100ml	Room Temp.



### Description

10%(w/v) Sodium Dodecyl Sulfate (SDS) solution, 0.2µm Filter-sterile solution

### Application

Suitable for electrophoresis, protein and nucleic acid purification, cell disruption

## 10% SDS solution

Cat No.	Size	Temp.
PB-1006-0500	500ml	Room Temp.



### ▪ Description

10%(w/v) Sodium Dodecyl Sulfate (SDS) solution, 0.2µm Filter-sterile solution

### ▪ Application

Suitable for electrophoresis, protein and nucleic acid purification, cell disruption

## 10% SDS solution

Cat No.	Size	Temp.
PB-1006-1000	1L	Room Temp.



### ▪ Description

10%(w/v) Sodium Dodecyl Sulfate (SDS) solution, 0.2µm Filter-sterile solution

### ▪ Application

Suitable for electrophoresis, protein and nucleic acid purification, cell disruption

## 20% SDS solution

Cat No.	Size	Temp.
PB-1007-0100	100ml	Room Temp.



### ▪ Description

20%(w/v) Sodium Dodecyl Sulfate (SDS) solution, 0.2µm Filter-sterile solution

### ▪ Application

Suitable for electrophoresis, protein and nucleic acid purification, cell disruption

## 20% SDS solution

Cat No.	Size	Temp.
PB-1007-0500	500ml	Room Temp.



### ▪ Description

20%(w/v) Sodium Dodecyl Sulfate (SDS) solution, 0.2µm Filter-sterile solution

### ▪ Application

Suitable for electrophoresis, protein and nucleic acid purification, cell disruption

## 20% SDS solution

Cat No.	Size	Temp.
PB-1007-1000	1L	Room Temp.



### ▪ Description

20%(w/v) Sodium Dodecyl Sulfate (SDS) solution, 0.2µm Filter-sterile solution

### ▪ Application

Suitable for electrophoresis, protein and nucleic acid purification, cell disruption

## 10% Tween-20 solution

Cat No.	Size	Temp.
PB-1008-0100	100ml	Room Temp.



### ▪ Description

10% Tween-20, 0.2µm Filter-sterile solution

### ▪ Application

Suitable for molecular biology

## 10% Tween-20 solution

Cat No.	Size	Temp.
PB-1008-0500	500ml	Room Temp.



### ▪ Description

10% Tween-20, 0.2µm Filter-sterile solution

### ▪ Application

Suitable for molecular biology

## 10% Tween-20 solution

Cat No.	Size	Temp.
PB-1008-1000	1L	Room Temp.



### ▪ Description

10% Tween-20, 0.2µm Filter-sterile solution

### ▪ Application

Suitable for molecular biology



## 1X RIPA Buffer

Cat No.	Size	Temp.
PB-1009-0100	100ml	Cooling



### ▪ Description

50mM Tris-HCl, pH 7.6, 150mM NaCl, 1% Triton X-100, 1% Sodium deoxycholate, 0.1% SDS, 2mM EDTA, 0.2µm Filter-sterile solution

### ▪ Application

Suitable for cell and tissue lysis

## 1X RIPA Buffer

Cat No.	Size	Temp.
PB-1009-0500	500ml	Cooling



### ▪ Description

50mM Tris-HCl, pH 7.6, 150mM NaCl, 1% Triton X-100, 1% Sodium deoxycholate, 0.1% SDS, 2mM EDTA, 0.2µm Filter-sterile solution

### ▪ Application

Suitable for cell and tissue lysis

## 1X PBS Dulbecco's Solution

Cat No.	Size	Temp.
PB-1010-0500	500ml	Room Temp.



### ▪ Description

137mM NaCl, 2.7mM KCl, 0.5mM MgCl<sub>2</sub>-6H<sub>2</sub>O, 8.1 mM Na<sub>2</sub>HPO<sub>4</sub>, 1.47 mM KH<sub>2</sub>PO<sub>4</sub>, 0.9mM CaCl<sub>2</sub>, 0.2µm Filter-sterile solution

### ▪ Application

Suitable for cell culture and molecular biology

## 1X PBS Dulbecco's Solution

Cat No.	Size	Temp.
PB-1010-1000	1L	Room Temp.



### ▪ Description

137mM NaCl, 2.7mM KCl, 0.5mM MgCl<sub>2</sub>-6H<sub>2</sub>O, 8.1 mM Na<sub>2</sub>HPO<sub>4</sub>, 1.47 mM KH<sub>2</sub>PO<sub>4</sub>, 0.9mM CaCl<sub>2</sub>, 0.2µm Filter-sterile solution

### ▪ Application

Suitable for cell culture and molecular biology

## 1X PBS Dulbecco's Solution w/o Ca<sup>2+</sup>, Mg<sup>2+</sup>

Cat No.	Size	Temp.
PB-1011-0500	500ml	Room Temp.



### ▪ Description

137 mM NaCl, 2.7 mM KCl, 8.1 mM Na<sub>2</sub>HPO<sub>4</sub>, 1.47 mM KH<sub>2</sub>PO<sub>4</sub>, 0.2µm Filter-sterile solution

### ▪ Application

Suitable for cell culture and molecular biology

## 1X PBS Dulbecco's Solution w/o Ca<sup>2+</sup>, Mg<sup>2+</sup>

Size	Size	Temp.
1L	500ml	Room Temp.



### ▪ Description

137 mM NaCl, 2.7 mM KCl, 8.1 mM Na<sub>2</sub>HPO<sub>4</sub>, 1.47 mM KH<sub>2</sub>PO<sub>4</sub>, 0.2µm Filter-sterile solution

### ▪ Application

Suitable for cell culture and molecular biology

## 10X PBS Dulbecco's Solution

Cat No.	Size	Temp.
PB-1012-0500	500ml	Room Temp.



### ▪ Description

1.37M NaCl, 27mM KCl, 5mM MgCl<sub>2</sub>-6H<sub>2</sub>O, 81 mM Na<sub>2</sub>HPO<sub>4</sub>, 14.7 mM KH<sub>2</sub>PO<sub>4</sub>, 9mM CaCl<sub>2</sub>, 0.2µm Filter-sterile solution

### ▪ Application

Suitable for cell culture and molecular biology

## 10X PBS Dulbecco's Solution

Cat No.	Size	Temp.
PB-1012-1000	1L	Room Temp.



### ▪ Description

1.37M NaCl, 27mM KCl, 5mM MgCl<sub>2</sub>-6H<sub>2</sub>O, 81 mM Na<sub>2</sub>HPO<sub>4</sub>, 14.7 mM KH<sub>2</sub>PO<sub>4</sub>, 9mM CaCl<sub>2</sub>, 0.2µm Filter-sterile solution

### ▪ Application

Suitable for cell culture and molecular biology

## 10X PBS Dulbecco's Solution w/o Ca<sup>2+</sup>, Mg<sup>2+</sup>

Cat No.	Size	Temp.
PB-1013-0500	500ml	Room Temp.



### ▪ Description

1.37M NaCl, 27 mM KCl, 81 mM Na<sub>2</sub>HPO<sub>4</sub>, 14.7 mM KH<sub>2</sub>PO<sub>4</sub>,  
0.2µm Filter-sterile solution

### ▪ Application

Suitable for cell culture and molecular biology

## 10X PBS Dulbecco's Solution w/o Ca<sup>2+</sup>, Mg<sup>2+</sup>

Cat No.	Size	Temp.
PB-1013-1000	1L	Room Temp.



### ▪ Description

1.37M NaCl, 27 mM KCl, 81 mM Na<sub>2</sub>HPO<sub>4</sub>, 14.7 mM KH<sub>2</sub>PO<sub>4</sub>,  
0.2µm Filter-sterile solution

### ▪ Application

Suitable for cell culture and molecular biology

## 1X PBS Solution pH 7.4

Cat No.	Size	Temp.
PB-1014-1000	1L	Room Temp.



### ▪ Description

137mM NaCl, 2.7mM KCl, 10mM Na<sub>2</sub>HPO<sub>4</sub>, 1.8mM KH<sub>2</sub>PO<sub>4</sub>, Sterile  
Solution

### ▪ Application

Suitable for cell culture and molecular biology

## 10X PBS Solution pH 7.4

Cat No.	Size	Temp.
PB-1015-1000	1L	Room Temp.



### ▪ Description

1.37M NaCl, 27mM KCl, 101mM Na<sub>2</sub>HPO<sub>4</sub>, 18mM KH<sub>2</sub>PO<sub>4</sub>, Sterile  
Solution

### ▪ Application

Suitable for cell culture and molecular biology

## 1X PBS Solution pH 7.2

Cat No.	Size	Temp.
PB-1055-1000	1L	Room Temp.



### ▪ Description

137mM NaCl, 2.7mM KCl, 10mM Na<sub>2</sub>HPO<sub>4</sub>, 1.8mM KH<sub>2</sub>PO<sub>4</sub>, Sterile  
Solution

### ▪ Application

Suitable for cell culture and molecular biology

## 1M HEPES Solution pH7.0-7.6

Cat No.	Size	Temp.
PB-1042-0500	500ml	Room Temp.



### ▪ Description

1M HEPES, pH7.0-7.6, 0.2µm Filter-sterile solution

### ▪ Application

Suitable for molecular biology application

## 화학물질관리법 제29조의 2에 따른 고지

1. 시험용·연구용·검사용 시약은 해당 용도로만 사용하실 수 있습니다.
2. 취급 시 유해화학물질 취급기준을 준수하여야 합니다. 세부 기준은 [화학물질관리법 시행규칙 별표 1]에서 확인하실 수 있습니다.

### ! 주문 후 교환 및 반품 불가

주문 시 제조되는 제품으로 단순 변심에 의한 교환 및 반품이 불가한 제품입니다.

### ! 주문 제작 안내

모든 Buffer는 조성별, 용량별 주문 제작 가능합니다.

### ! 제품 문의

E-mail: [info@precaregene.com](mailto:info@precaregene.com)

T e l : 031-8027-9027



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For Your Life

[www.precaregene.com](http://www.precaregene.com)