



**Commitment to Quality & Innovation,  
Cost-Effective Solutions, Made in India**

**Accurate Findings, Affordable Solutions**



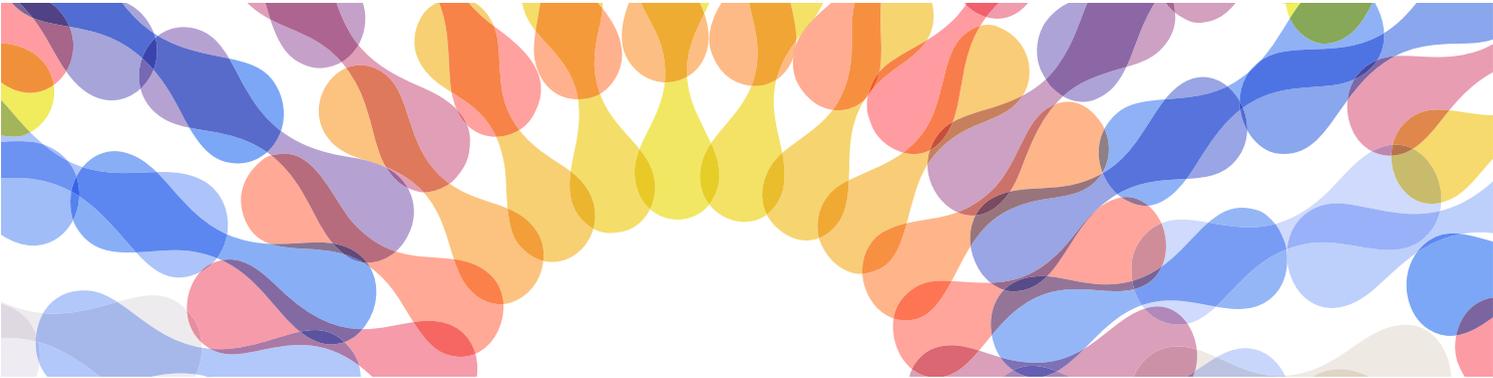




At Proteogenix, we are passionate about empowering researchers and scientists by providing high-quality, innovative products for protein analysis and related research applications. Our commitment to excellence, coupled with our focus on customer satisfaction, positions us as a trusted partner in the life sciences community. Whether you are working in academic, clinical, or industrial settings, Proteogenix has the tools and expertise to support your scientific endeavors.



**Accurate Findings, Affordable Solutions**



## **Commitment to Quality and Innovation**

At Proteogenix, we pride ourselves on our rigorous quality control processes, ensuring that every product we manufacture meets the highest standards of performance and reliability. Our commitment to innovation drives us to continually refine and expand our product offerings, incorporating the latest advancements in protein research.

## **Cost-Effective Solutions**

We understand the financial constraints that many researchers face. That's why Proteogenix is dedicated to providing cost-effective solutions without compromising quality. By optimizing our manufacturing processes and leveraging strategic partnerships, we offer high-quality products at competitive prices, enabling researchers to maximize their budgets while achieving exceptional results.

## **Customer-Centric Approach**

We recognize that each research project is unique, and we strive to meet the needs of our diverse clientele. Our experienced support team is always available to provide guidance, answer questions, and assist with product selection. At Proteogenix, we believe in building strong relationships with our customers, fostering collaboration and innovation.

Certificate IN25/00000645

The management system of

## Proteogenix Lifescience Private Limited

Office No. 605-606, Pearls Business Park, Netaji Subhash Place, New Delhi - 110034, India

has been assessed and certified as meeting the requirements of

**ISO 9001:2015**

For the following activities

Manufacturing of life science products

The SGS logo consists of the letters 'SGS' in a bold, black, sans-serif font. A thin red horizontal line is positioned above the letters, and a thin red vertical line is positioned to the right of the letters, intersecting at the top right corner of the 'S'.

This certificate is valid from 31 July 2025 until 31 July 2028 and remains valid subject to satisfactory surveillance audits.  
Issue 1. Certified since 31 July 2025

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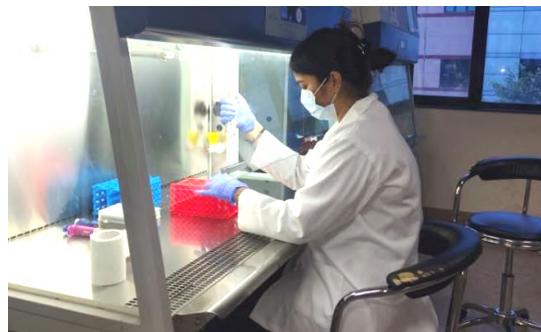
## Innovating at the BSC BioNEST Bio-Incubator (BBB), RCB

Our enterprise is privileged to be incubated at the distinguished BSC BioNEST Bio-Incubator (BBB), housed within the Regional Centre for Biotechnology (RCB), Faridabad.



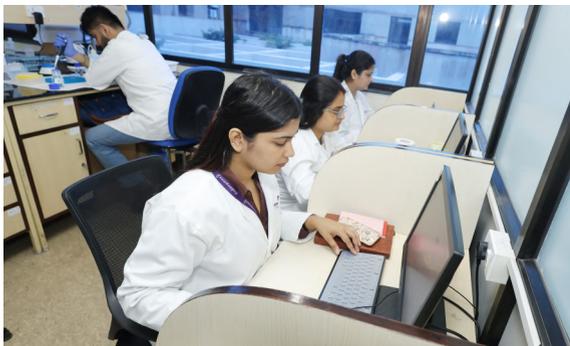
This world-class incubation ecosystem stands as a catalyst for next-generation biotechnology ventures, offering state-of-the-art laboratories, advanced instrumentation, and a collaborative innovation culture.

The environment at BBB-RCB empowers our organization to accelerate discovery, refine translational research, and transform bold scientific concepts into practical, market-ready solutions.



**Pioneering Work on Aflatoxin Detection & Mitigation** within this vibrant ecosystem, our team is dedicated to addressing the formidable global challenge of aflatoxin contamination—a critical threat to food security, & human health,

## Meet the innovators



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## BUFFERS



## BCA Assay Kit

### Product Description

Proteogenix's BCA Protein Assay Kit is a versatile tool for accurately measuring protein concentrations in various samples. It uses the reliable Bicinchoninic Acid (BCA) method to provide sensitive and precise results.

- Detects wide range of protein concentrations 20 to 2000 µg/mL.
- Works with both pure proteins and complex biological samples.
- Accommodates samples prepared in denaturing or native conditions.
- Includes all necessary reagents and a BSA protein standard.
- Ensures accuracy and reproducibility. Easy monitoring at 562 nm.

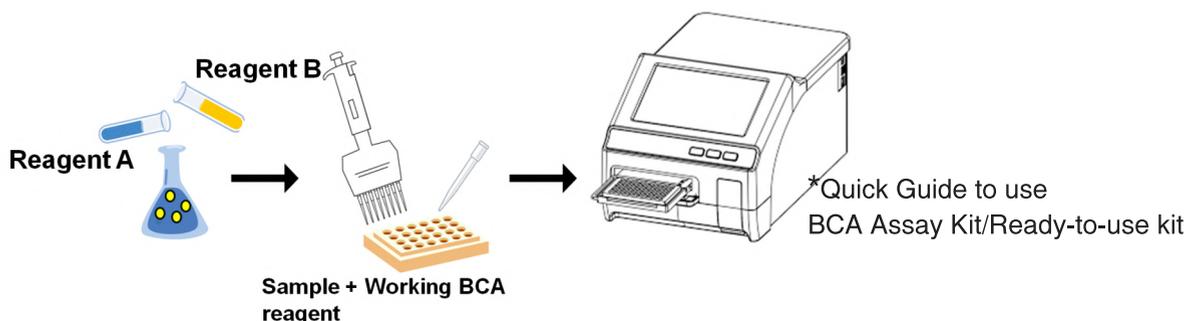
### Kit Components

Reagent	Catlog No.
A	PX-RGA-101
B	PX-RGB-101
Protein Standard	PX-PS-101

### Benefits

- Simplified workflow: Streamlines protein quantification.
- Minimized variability: Reduces inconsistencies due to protein composition differences.
- Essential for diverse applications: Ideal for proteomics studies and quality control.

Catalog No.	Pack Size	Reaction Capacity*
PX-PROTQ-101-250ML	250ml	~1,250 microplate reactions / 250 cuvette assays
PX-PROTQ-101-500ML	500ml	~2,500 microplate reactions / 500 cuvette assays





### Kit Components

Reagent	Catlog No.
Bradford	PX-BDR-201
Protein Standard	PX-PS-101

## Bradford Reagent

**High Sensitivity and Specificity:** The Bradford assay offers exceptional sensitivity, detecting protein concentrations in the range of 0.1 to 1.5mg/mL, making it suitable for low-abundance proteins.

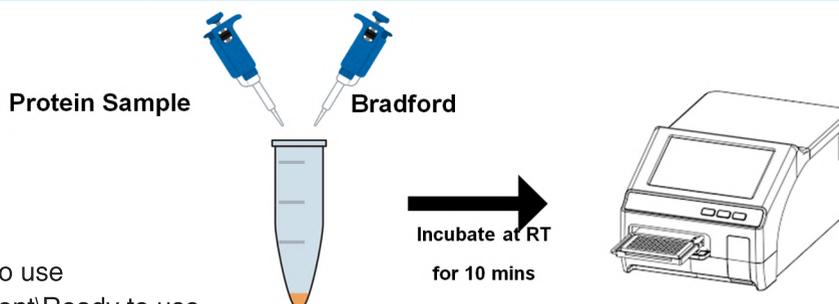
**Rapid Protocol:** The assay can be completed in less than an hour, enabling efficient analysis in high-throughput settings.

**Versatile Application:** Compatible with a range of buffer systems and commonly used in various fields, including biochemistry, molecular biology, and pharmaceuticals.

**Simple and Cost-Effective:** The straightforward procedure requires minimal equipment, making it an economical choice for laboratories of all sizes.

**Reliable Results:** The assay demonstrates excellent reproducibility and is less affected by common interfering substances compared to other protein quantification methods.

Catalog No.	Pack Size	Reaction Capacity*
PX-PROTQ-201-500ML	500ml	~1,250 microplate reactions / 250 cuvette assays
PX-PROTQ-201-1L	1L	~2,500 microplate reactions / 500 cuvette assays



\*Quick Guide to use  
Bradford Reagent\Ready to use



## Silver Staining Kit

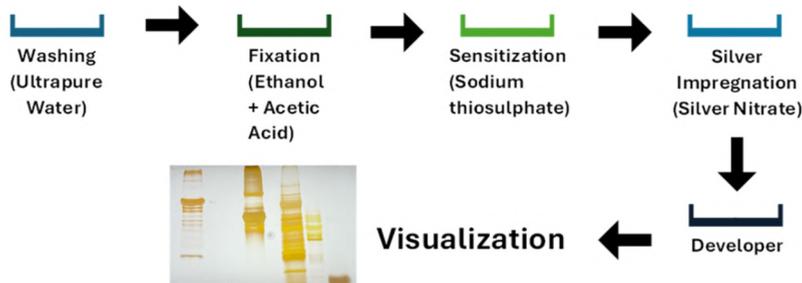
Elevate your protein analysis with the Proteogenix Silver Staining Kit, a cutting-edge solution designed for superior sensitivity and clarity in the visualization of proteins in polyacrylamide gels. This comprehensive kit is perfect for researchers seeking reliable and high-performance staining methods in various applications, including proteomics, molecular biology, and biochemical research.

- **Exceptional Sensitivity:** Detect low-abundance proteins with remarkable precision.
- **User-Friendly Protocol:** Simplify your workflow with an easy-to-follow, standardized protocol. Each kit includes intuitive instructions that guide you through each step, ensuring consistent and repeatable results with minimal hassle.
- **Versatile Applications:** Suitable for both 1D and 2D gel electrophoresis, this kit is ideal for a wide range of applications, from academic research to industrial analysis.
- **Compatibility with Mass Spectrometry:** Specially formulated to be compatible with downstream mass spectrometry analysis, making it a perfect choice for advanced proteomic studies.

### Kit Components

Reagent	Catlog No.
Sensitizer	PX-ST-501
Staining Solution	PX-SS-501
Developer 1	PX-DV1-501
Developer 2	PX-DV2-501

Catalog No.	Pack Size	Reaction Capacity*
PX-PROTV-501-25G	25 Tests	~Up to 25 polyacrylamide gels
PX-PROTV-501-50G	50 Tests	~Up to 50 polyacrylamide gels



\*Quick Guide to  
Silver Staining Kit/  
Ready to Use



### Kit Components

Reagent	Catlog No.
CBB Staining Solution	PX-CCBB-301

## Colloidal CBB Staining Solution

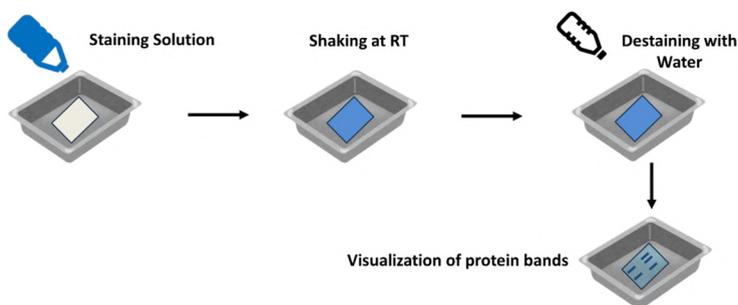
### Product Description

The Proteogenix CBB Ultra Staining Solution is specifically formulated for optimal performance in protein detection during gel electrophoresis. This kit utilizes a colloidal version of Coomassie Brilliant Blue (CBB) G-250 dye, which is known for its superior sensitivity and low background staining properties.

### Key Features

- **High Sensitivity:** The solution can detect proteins at low concentrations, typically down to 10 ng, making it suitable for a wide range of applications, from typical laboratory experiments to specialized research.
- **Reduced Background Staining:** The proprietary formulation significantly minimizes background interference, ensuring clearer visualization of protein bands, thereby enhancing the overall quality of the results.
- **Quick Protocol:** The staining process is designed to be rapid and easy, allowing researchers to quickly visualize protein separation without extensive preparation time.

Catalog No.	Pack Size	Reaction Capacity*
PX-PROTV-301-500ml	500ml	~50mini gels
PX-PROTV-301-1L	1L	~100 mini gels



\*Quick Guide to use Colloidal CBB Staining Solution



### Kit Components

Reagent	Catlog No.
RIPA Buffer	PX-RB-401

## RIPA Buffer

### Product Description

RIPA Buffer is a complete reagent designed for the extraction of cellular proteins, facilitating efficient cell lysis and protein solubilization from both adherent and suspension cultured mammalian cells.

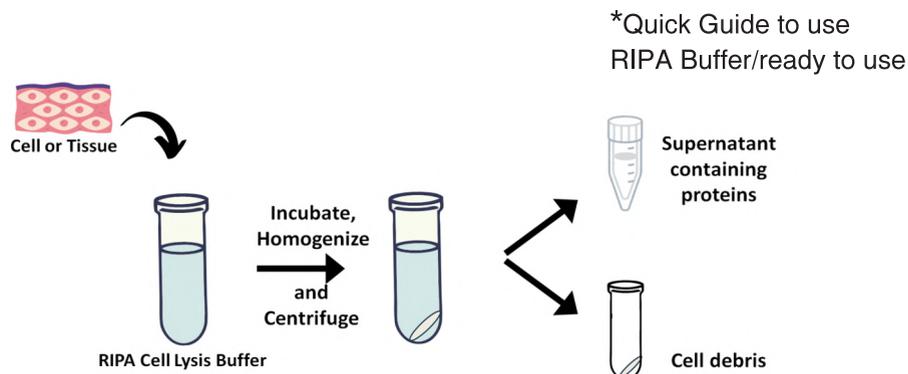
**Applications:** Suitable for the extraction of cytoplasmic, nuclear, and membrane proteins, making it ideal for various downstream applications, including Western Blotting, Immunoprecipitation, Protein Assays.

**Usage Guidelines:** For cell lysis, use approximately 0.5-1 mL of RIPA buffer per  $5 \times 10^6$  adherent cells or tissue specimens, adjusting volumes for different cell counts or tissue sizes.

**Compatibility:** Fully compatible with Broad Spectrum Protease Inhibitor and Phosphatase Inhibitor cocktails to prevent protein degradation during the lysis process.

**Performance:** Provides rapid and efficient solubilization of proteins, preventing degradation and maintaining the biological activity of proteins, ensuring reliability in experimental results.

Catalog No.	Pack Size	Reaction Capacity*
PX-RB-401-100ml	100ml	Cell lysis, protein extraction, BCA assays
PX-RB-401-250ml	250ml	Cell lysis, protein extraction, BCA assays
PX-RB-401-500ml	500ml	Cell lysis, protein extraction, BCA assays





## Tris-Glycine Buffer, 10X

### Product Description

The Proteogenix 10X Tris-Glycine Buffer is formulated for maintaining the pH while running the gel electrophoresis. This buffer is efficient for Native-PAGE running and as transfer buffer for western blotting. It is known for transfer of proteins and gel swell preventing properties. It is used in various biochemical and molecular biology applications with applications of electrophoresis.

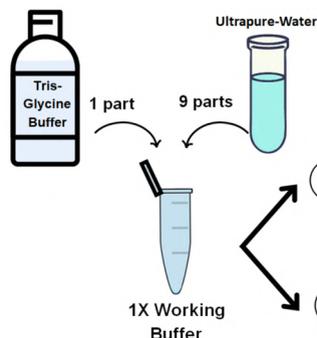
### Key Features

- **Reduced Protein Degradation:** The proprietary formulation significantly lowers absorption of solvents into the gel and the glycine in buffer reduces ionic strength ensuring intact visualization of proteins, thereby enhancing overall quality of the western blot result.
- **Versatile Application:** This is applicable for the native PAGE as running buffer with methanol as well as transfer buffer for western blotting and high-resolution analyses.
- **Prevents Swelling:** The buffer prevents the gel from swelling, allowing researchers to transfer and visualize protein separation without losing the bands obtained in SDS-PAGE.

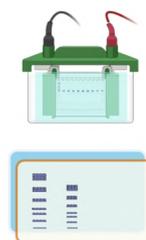
### Kit Components

Reagent	Catlog No.
Tris-Glycine Buffer	PX-TGB-601

Catalog No.	Pack Size	Reaction Capacity*
PX-TGB-601-1L	1L	10X, Diluted to 1X Before Use for Protein Gel Electrophoresis
PX-TGB-601-2L	1L X 2	10X, Diluted to 1X Before Use for Protein Gel Electrophoresis



\*Quick Guide to use Tris-Glycine Buffer, 10X





## Laemmli Buffer, 6X

### Product Description

Proteogenix 6X Laemmli Buffer is a high-quality sample preparation reagent specifically designed for use in electrophoresis techniques, particularly SDS-PAGE. This reducing buffer facilitates the efficient denaturation of proteins prior to their separation in polyacrylamide gels, ensuring optimal resolution and accurate molecular weight estimation.

### Key Features

**Protein Denaturation:** Designed to effectively denature proteins, ensuring the proteins are in a linearized form for accurate separation during electrophoresis.

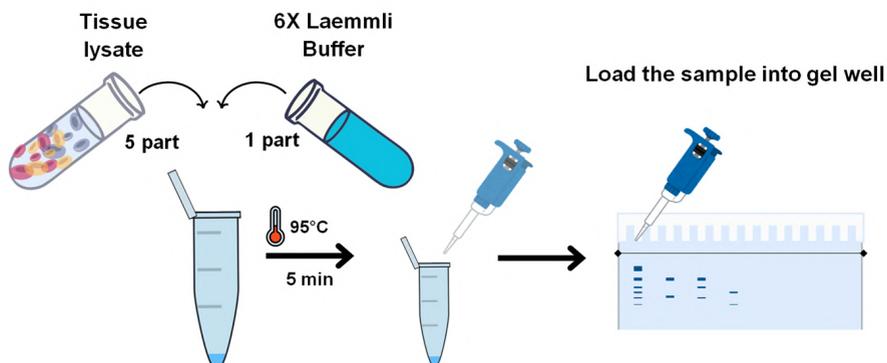
- **Reducing Agent:** Contains -mercaptoethanol, which reduces disulfide bonds, further assisting in the complete denaturation of proteins.
- **Electrophoretic Dye:** Incorporates bromophenol blue as a tracking dye, allowing for monitoring of the migration of proteins during gel electrophoresis.
- **Easy-to-use:** Provided in a ready-to-use liquid format, simplifying the preparation process and reducing the time required for experimental setup.

### Kit Components

Reagent	Catlog No.
Laemmli Buffer	PX-LB-501

Catalog No.	Pack Size	Reaction Capacity*
PX-LB-501-25ML	25ml	6X, Diluted to 1X Before Use for Protein Gel Electrophoresis
PX-LB-501-50ML	50ml	6X, Diluted to 1X Before Use for Protein Gel Electrophoresis

\*Quick Guide to use 6X Laemmli Buffer



## Protein Laddex™

### Product Description

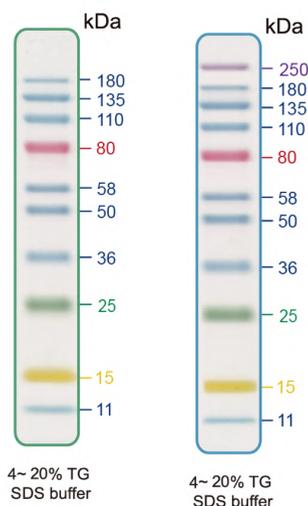


#### 10 - 180 kda

This protein ladder consists of a mixture of 10 pre-stained, highly purified proteins with molecular weights ranging from 11 kDa to 180 kDa. The 10 recombinant proteins are covalently coupled with blue chromophore, while a red band at 80kDa, a green at 25 kDa and a newly designed yellow band at 15kDa. This ladder efficiently tracks protein separation during SDS-PAGE and validates target proteins. It is also compatible with protein transfer techniques onto PVDF or nitrocellulose membranes for Western blot analysis.

#### 10 - 250kda

This protein ladder consists of a mixture of 11 pre-stained, highly purified proteins with molecular weights ranging from 11 kDa to 250 kDa. The 11 pre-stained protein bands are covalently coupled with blue chromophore, while a red band at 80kDa, a green band at 25kDa, a newly designed yellow band at 15 kDa, and a purple band at 250 kDa serves as reference bands. This ladder efficiently tracks protein separation during SDS-PAGE and validates target proteins. It is also compatible with protein transfer techniques onto PVDF or nitrocellulose membranes for Western blot analysis.



#### User Guide

For SDS-PAGE, load 3–5  $\mu$ L per well on a standard 10–15 lane mini gel for optimal visualization. For Western blot applications, use approximately 2.5  $\mu$ L per lane.

#### Important Note

The molecular weight of each protein (kDa) was measured against an unstained protein ladder in every electrophoresis condition.

Catalog No.	Pack Size	Application
PX-PL-101	500 ul	To visualize protein band in vertical gel electrophoresis
PX-PL-201	500 ul	To visualize protein band in vertical gel electrophoresis



### Kit Components

Buffer	Catlog No.
Pro Buffer LB	PX-PTD-LB
Pro Buffer PB	PX-PTD-PB
Pro Buffer BB	PX-PTD-BB
Pro Buffer WB1	PX-PTD-WB1
Pro Buffer WB2	PX-PTD-WB2
Pro Buffer EB	PX-PTD-EB
Spin Column	PX-SPD-SC
Collection Tube	PX-PW-CT
Rnase	PX-EN-101

## ProDNA Extraction (Plant)

### Product Description

Proteogenix's DNA Plant Kits offer rapid and straightforward silica-based DNA isolation from diverse plant samples via a spin-column format, consistently yielding high-purity DNA suitable for downstream molecular applications. This advanced methodology ensures efficient nucleic acid recovery with minimal contaminant co-extraction, thereby facilitating robust performance in sensitive assays.

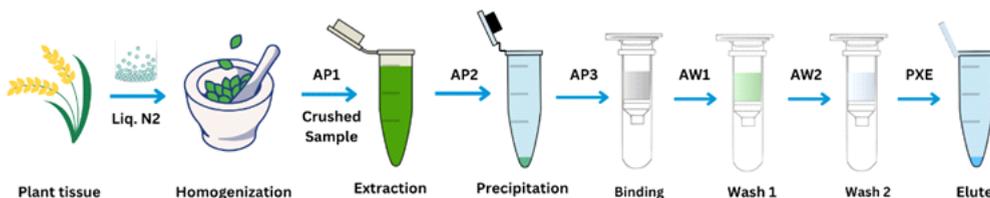
### Key Features

- Speed & Ease of Use: Rapid DNA isolation with a complete, ready-to-use kit.
- Versatility: Effectively extracts DNA from diverse plant materials
- Safety: Eliminates the need for hazardous reagents like phenol
- High Purity & Yield: Delivers high-quality genomic DNA suitable for all downstream applications.

### Benefits

- Supports plant breeding applications, including molecular detection of specific resistance traits.
- Reduces the amount of hands-on-time required, making workflow more efficient.

Catalog No.	Pack Size	Application
PX-PTD-401-50RX	50 reaction	Various fields including plant pathogen research, studying GMOs etc
PX-PTD-401-100RX	100 reaction	Various fields including plant pathogen research, studying GMOs etc



\*Quick Guide & Ready to Use



## ProDNA Extraction (Whole Blood)

### Product Description

The Proteogenix Rapid Blood DNA Extraction Kit is engineered for the efficient, rapid, and high-yield isolation of genomic DNA from fresh or stored blood samples. Utilizing advanced silica membrane spin column technology and a series of optimized proprietary buffers, our kit ensures high purity and reproducibility in every extraction. With minimal hands-on time and a streamlined protocol, it is the ideal solution for labs that require consistent, high-quality DNA.

### Key Features

- **Rapid Protocol** : ~30 minute protocol using a simple spin-column, fast and streamlined workflow.
- **Versatile** : Suitable for whole blood, buffy coat, and nucleated cell samples.
- **Purity and Yield**: Effectively removes RNA, proteins, and other cellular contaminants, ideal for sensitive applications.

### Benefits

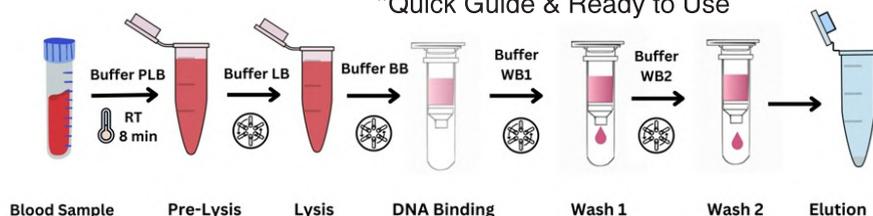
- **Budget-Friendly**: Delivers essential performance and purity for routine DNA extractions at an accessible price.

### Kit Components

Buffer	Catlog No.
Pre lysis Buffer	PX-WBD-PLB
Pro lysis Buffer-LB	PX-WBD-LB
Pro Buffer-BB	PX-WBD-BB
Pro Buffer WB1	PX-WBD-WB1
Pro Buffer WB2	PX-WBD-WB2
Pro Buffer-EB	PX-WBD-EB
Spin Columns	PX-SPD-SC
Collection Tubes, 2 ml	PX-PW-CT

Catalog No.	Pack Size	Application
PX-WBD-101-50RX	50 reaction	Support a wide range of critical downstream applications
PX-WBD-101-100RX	100 reaction	Support a wide range of critical downstream applications

### \*Quick Guide & Ready to Use





### Kit Components

Buffer	Catlog No.
Resuspension Buffer	PX-BPD-RB
RNase A	PX-EN-101
Lysis Buffer	PX-BPD-LB
Neutralization Buffer	PX-BPD-NB
Wash Buffer 1	PX-BPD-WB1
Wash Buffer 2	PX-BPD-WB2
Wash Buffer 3	PX-BPD-WB3
Elution Buffer	PX-BPD-EB
Spin Column (mini)	PX-SPD-SC
Collection tube	PX-PW-CT

## ProPlasmid Extraction (Bacterial)

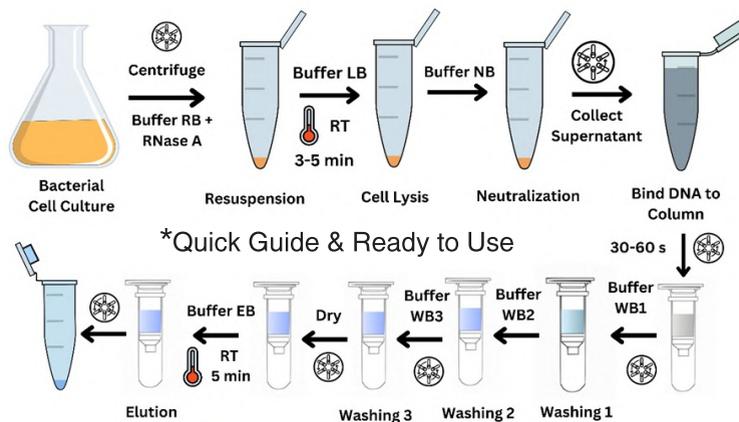
### Product Description

The Proteogenix Bacterial Plasmid Extraction Kit is designed for rapid and efficient isolation of high-quality plasmid DNA from bacterial cultures. Utilizing advanced silica membrane spin column technology, our kits ensure consistent yield and purity suitable for the most downstream applications, including cloning, transfection, sequencing, and enzymatic digestion.

### Key Features

- **High Yield and Purity:** Provides high plasmid DNA yields with A260/A280 ratios of 1.8–2.0. Suitable for sensitive researches and also for downstream applications.
- **Fast and Simple:** Complete plasmid extraction in 30-40 minutes after cell pellet collection. The spin-column with buffers combination is ideal for routine lab use and high-throughput requirements.
- **Versatile Compatibility:** Suitable for a variety of plasmid sizes and copy numbers, and compatible with most bacterial strains commonly used (e.g., *E. coli*) in molecular biology.

Catalog No.	Pack Size	Application
PX-BPD-601-50RX	50 reaction	Gene cloning, sequencing, or genetic engineering.
PX-BPD-601-100RX	100 reaction	Gene cloning, sequencing, or genetic engineering.



## ProGel/PCR Cleanup



### Product Description

Proteogenix DNA Clean-Up Kits provide fast, high-yield purification of DNA from PCR reactions and agarose gels. Our spin column-based system removes primers, enzymes, and other salt contaminants, ensuring exceptional purity and reproducibility. Ideal for cloning, sequencing, restriction digestion, and qPCR.

### Key Features

- **High Yield Recovery:** Optimized buffers and advanced spin column technology ensure up to 98% recovery of PCR-amplified DNA fragments (100 bp–10 kb).
- **Exceptional Purity:** Efficiently removes primers, enzymes, dNTPs, salts, agarose, dyes, and short non-specific products, yielding DNA of exceptional purity ideal for sensitive techniques.
- **Proudly Made in India:** Manufactured in India with the highest quality, consistency, and affordability.

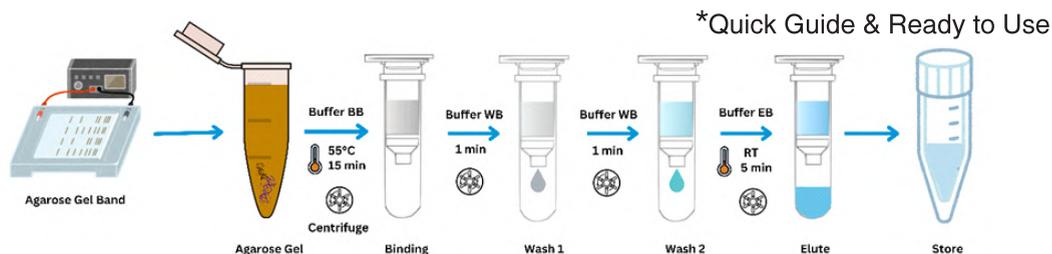
### Kit Components

Name	Catlog No.
Binding Buffer	PX-GPC-BB
Wash Buffer	PX-GPC-WB
Elution Buffer	PX-GPC-EB
Spin Column (mini)	PX-GPC-SC
Collection tube (2 ml)	PX-PW-CT

### Benefits

- **Cost-Effective:** Delivers premium purification results at an accessible price point, to support high-quality research.
- **Fast and Easy Protocols:** After preparation complete purification in just 10–15 minutes with a simple, spin column-based method.

Catalog No.	Pack Size	Application
PX-GPC-501-50RX	50 reaction	Gene cloning, sequencing, or genetic engineering.
PX-GPC-501-100RX	100 reaction	Gene cloning, sequencing, or genetic engineering.



## Pro-dNTP Mix



### Product Description

The Proteogenix dNTP Mix represents a high-grade formulation of ultrapure deoxynucleotide triphosphates, meticulously developed to ensure uncompromised performance across a wide spectrum of molecular biology applications. Engineered with rigorous precision and manufactured under stringent quality standards, this ready-to-use blend empowers researchers with reliable DNA amplification, cDNA synthesis, sequencing workflows, and advanced PCR methodologies.

### Key Features

- Exceptional Purity ( 99%) – Stringently tested, free from nuclease, protease, and microbial DNA contamination.
- Optimized Equimolar Balance – A refined mix of dATP, dCTP, dGTP, and dTTP to guarantee reproducibility.
- Enhanced Stability – Maintains integrity during prolonged storage and multiple freeze–thaw cycles.
- Versatile Compatibility – Seamlessly adaptable for PCR, qPCR, RT-PCR, sequencing, and DNA labeling applications.
- Assured Reliability – Batch-to-batch uniformity validated under rigorous quality

### Applications

- High-fidelity and conventional PCR amplification
- Quantitative real-time PCR (qPCR)
- Reverse transcription PCR (RT-PCR)
- cDNA library preparation and sequencing projects
- DNA labeling, cloning, and molecular diagnostics

### Kit Components

Reagent	Catlog No.
Pro-dNTP Mix	PX-NTP-701

Catalog No.	Pack Size	Application
PX-NTP-701-1ml	1ml	Various molecular biology downstream applications
PX-NTP-701-2ml	1ml x 2	Various molecular biology downstream applications
PX-NTP-701-5ml	1ml x 5	Various molecular biology downstream applications



## Pro Green One-Step RT-PCR Kit

### Product Description

The Proteogenix Pro Green One-Step RT-PCR Kit is an all-in-one, high-performance solution for rapid, sensitive, and reproducible real-time quantification of RNA targets. By combining reverse transcription and PCR amplification into a single streamlined reaction, this kit minimizes handling steps, reduces contamination risks, and accelerates experimental workflows. Engineered with proprietary Pro Green dye chemistry, high-fidelity reverse transcriptase, and a robust hot-start DNA polymerase, this kit ensures exceptional specificity, reproducibility, and dynamic range in quantitative gene expression analysis.

### Key Features

- One-Step Convenience – Seamless integration of cDNA synthesis and PCR amplification.
- Superior Sensitivity – Detects even low-abundance RNA with high accuracy.
- Enhanced Specificity – Hot-start enzyme technology minimizes non-specific amplification.
- Optimized SYBR-Green Dye Chemistry – Delivers sharp amplification curves and reliable quantification.
- Broad Dynamic Range – Accurate results across wide RNA input concentrations.
- Reproducible Performance – Validated for lot-to-lot consistency.

### Kit Components

Reagent	Catlog No.
Pro Green One-Step RT-PCR Kit	PX-FD-701

### Applications

- Gene expression profiling
- mRNA and lncRNA quantification
- Validation of RNA-Seq results
- Diagnostic and translational research
- Pathogen detection and molecular epidemiology

Catalog No.	Pack Size	Application
PX-FD-701-1ML	1ml	Gene expression profiling
PX-FD-701-2ML	1ml x 2	Gene expression profiling
PX-FD-701-5ML	1ml x 5	Gene expression profiling

## Pro PCR Mix



### Product Description

The Proteogenix Pro PCR Mix is a high-performance solution meticulously formulated for robust, reliable, and high-fidelity DNA amplification. Designed to deliver consistent results across a wide variety of templates, this kit combines a premium-grade hot-start DNA polymerase with an optimized reaction buffer to ensure maximum specificity, yield, and reproducibility. By streamlining the amplification process, the kit is ideal for both routine molecular workflows and demanding research applications, making it a versatile choice for modern laboratories.

### Key Features

- High Specificity & Fidelity – Hot-start polymerase technology minimizes non-specific amplification.
- Optimized Buffer System – Ensures efficient amplification across diverse templates, including GC-rich regions.
- Superior Reproducibility – Validated for consistent performance across multiple assays.
- Wide Compatibility – Suitable for cloning, sequencing, genotyping, and molecular diagnostics.
- Time-Saving Format – Pre-optimized components simplify setup and reduce optimization efforts.

### Applications

- Routine DNA amplification
- High-fidelity PCR for cloning and sequencing
- Genotyping and mutation analysis
- Pathogen detection and molecular diagnostics
- Genetic and translational research

### Kit Components

Reagent	Catlog No.
Pro PCR Mix	PX-DA-101

Catalog No.	Pack Size	Application
PX-DA-101-1ML	1ml	DNA/RNA/Plasmid Amplification
PX-DA-101-2ML	1ml x 2	DNA/RNA/Plasmid Amplification
PX-DA-101-5ML	1ml x 5	DNA/RNA/Plasmid Amplification

## ProAgarose, Low EEO

### Product Description

Proteogenix offers a premium line of Agarose, the foundational matrix for all your molecular separation needs. Derived from the purest marine algae, our Agarose powder is meticulously purified to provide unparalleled clarity, consistency, and performance for gel electrophoresis and chromatography. Designed for researchers in genomics and proteomics, our Agarose delivers the high-resolution separation essential for accurate analysis and successful downstream applications.

- Low Electroendosmosis (EEO): Our high-quality Agarose has a very low EEO value, ensuring that charged molecules migrate accurately and do not suffer from band skewing.



(CAS No.9012-36-6)  
Cat. No. PX-AG-101

Reagent	Catalog No.	Pack Size	Packing	Storage
ProAgarose, Low EEO	PX-AG-101-100GM	100 G	1	RT
ProAgarose, Low EEO	PX-AG-101-500GM	500 G	1	RT
ProAgarose, Low EEO	PX-AG-101-1KG	1 KG	1	RT

## Tris Base

### Product Description

Proteogenix's Tris base, also known as tris(hydroxymethyl)aminomethane, is a widely utilized organic compound in the fields of biochemistry and molecular biology. With a molecular formula of C<sub>4</sub>H<sub>11</sub>NO<sub>3</sub> and a molecular weight of 121.14 g/mol, it appears as a white crystalline powder that is soluble in water, ensuring it integrates seamlessly into a variety of laboratory applications.

- Exceptional buffering capacity within the pH range of 7.0 to 9.0, with a pKa value of approximately 8.06 at 25°C.
- Minimal interference with biochemical reactions.
- Maintains stable pH levels contributes significantly to the reliability of experimental results.



(CAS No.77-86-1)  
Cat. No. PX-BF-101

Reagent	Catalog No.	Pack Size	Packing	Storage
Tris Base	PX-BF-101-500G	500 G	1	RT
Tris Base	PX-BF-101-1KG	1 KG	1	RT
Tris Base	PX-BF-101-2.5KG	2.5 KG	1	RT

## MOPS

### Product Description

MOPS (3-(N-morpholino)propanesulfonic acid) is another prominent buffering agent, especially effective for maintaining pH in biological and biochemical systems, with a pKa of 7.15.

- Favored in nucleic acid studies due to its stable pH profiles in slightly acidic to neutral environments, particularly during gel electrophoresis and PCR applications.
- Buffering range of 6.5 to 7.9, making it suitable for biological applications where slight pH variations can significantly impact results.



(CAS No. 1132-61-2)  
Cat. No. PX-BF-301

Reagent	Catalog No.	Pack Size	Packing	Storage
MOPS	PX-BF-301-250G	250 G	1	RT
MOPS	PX-BF-301-500G	500 G	1	RT
MOPS	PX-BF-301-1KG	1 KG	1	RT

## MES

### Product Description

MES (2-(N-morpholino)ethanesulfonic acid) functions as a versatile zwitterionic buffer in molecular and cell biology.

- Has a pKa of 6.15 at 25°C, which enables effective pH buffering around physiological levels.
- Useful in applications involving protein and nucleic acid manipulation and has a buffering capacity that is maintained in the range of 5.5 to 6.7.
- Excellent choice for various enzymatic reactions.



(CAS No. 4432-31-9)  
Cat. No. PX-BF-501

Reagent	Catalog No.	Pack Size	Packing	Storage
MES	PX-BF-501-100G	100 G	1	RT
MES	PX-BF-501-250G	250 G	1	RT
MES	PX-BF-501-500G	500 G	1	RT
MES	PX-BF-501-1KG	1 KG	1	RT

## HEPES

### Product Description

(4-(2-hydroxyethyl)-1-piperazineethanesulfonic acid) is a zwitterionic buffer widely used in cell culture and molecular biology. Its solubility in water and negligible metal ion binding makes HEPES an ideal choice for enzyme-catalyzed reactions that may be affected by metal contamination.

- Possesses a pKa of 7.45 at 25°C, which allows it to effectively stabilize pH in the range of 6.8 to 8.2.
- Maintains physiological pH despite variations in CO<sub>2</sub> concentration, outperforming traditional bicarbonate buffers.



(CAS No. 7365-45-9)  
Cat. No. PX-BF-201

Reagent	Catalog No.	Pack Size	Packing	Storage
HEPES	PX-BF-201-25G	25 G	1	RT
HEPES	PX-BF-201-100G	100 G	1	RT
HEPES	PX-BF-201-250G	250 G	1	RT
HEPES	PX-BF-201-500G	500 G	1	RT
HEPES	PX-BF-201-1KG	1 KG	1	RT

## HEPES-Na

### Product Description

HEPES-Na (4-(2-hydroxyethyl)-1-piperazineethanesulfonic acid, sodium salt) is a high-purity zwitterionic buffering agent specifically designed to provide stable and reliable pH control in cell culture media, protein purification, and other sensitive biological applications. As the sodium salt form, it is highly soluble in water, making it easy to prepare and integrate into your lab's workflow.

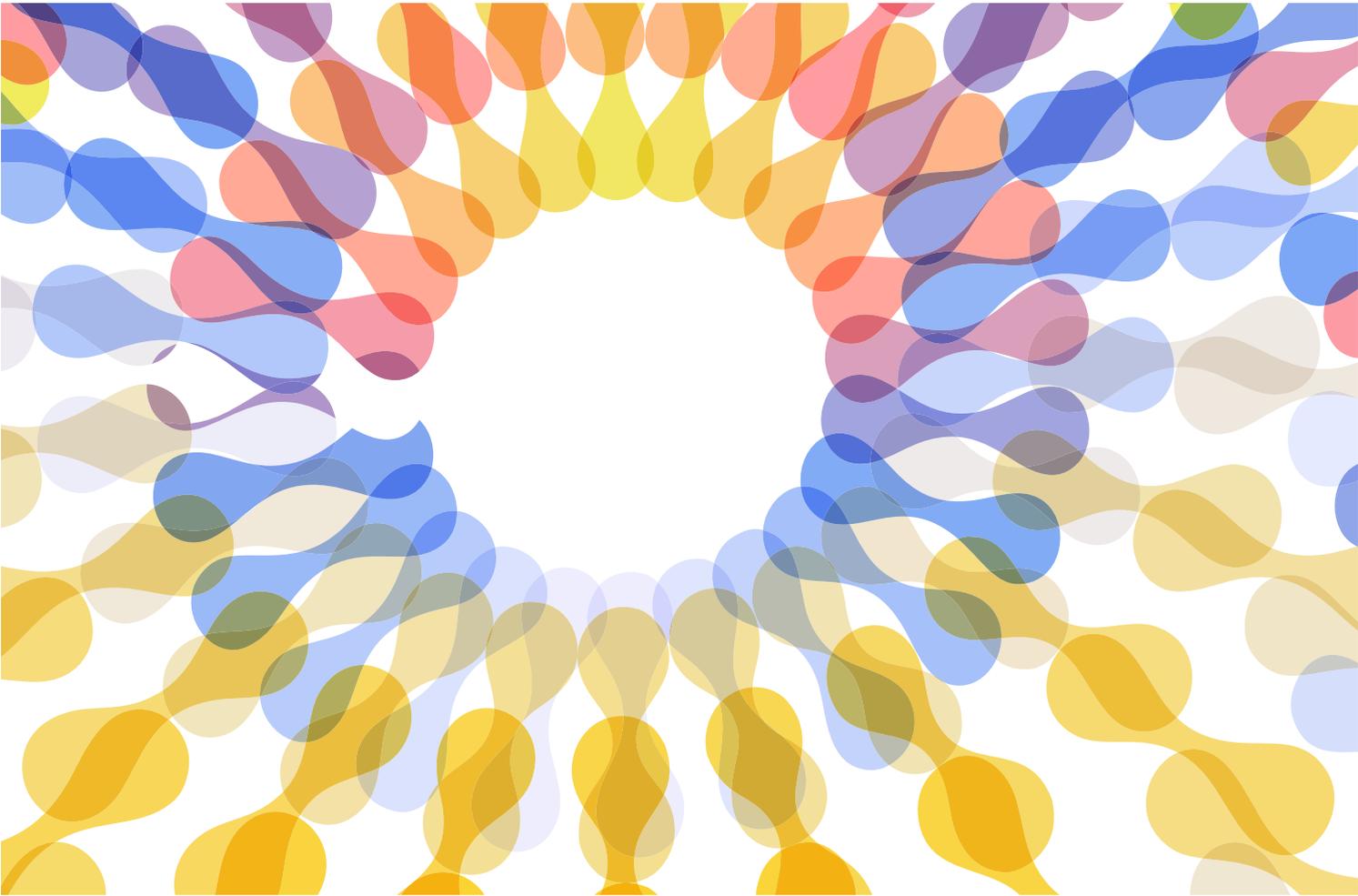
- Optimal Buffering Range: HEPES-Na provides highly effective buffering in the critical physiological pH range of approximately 7.2 to 7.6.



(CAS No. 75277-39-3)  
Cat. No. PX-BF-401

Reagent	Catalog No.	Pack Size	Packing	Storage
HEPES	PX-BF-201-25G	25 G	1	RT
HEPES	PX-BF-201-100G	100 G	1	RT
HEPES	PX-BF-201-500G	500 G	1	RT





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**Accurate Findings, Affordable Solutions**