

# BIOPIONEER PVT. LTD.

A Protease Inhibitor Company



**BioPioneer**<sup>®</sup>  
Empowered by Innovation

# PRODUCT CATALOGUE



## About Us

**BioPioneer Pvt. Ltd., founded in 2020, is a biotechnology company supported by BIRAC, Startup Odisha, and Startup India, and operates under the incubation of KIIT Technology Business Incubator. The company is dedicated to advancing scientific innovation by providing cutting-edge solutions for high-quality protein research. With a strong focus on research and development, BioPioneer strives to create novel, indigenous products that cater to global markets. Through its commitment to excellence and collaboration, the company aims to enhance the landscape of biotechnology both within India and internationally.**

## Contact us

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**For More Info**



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# Presenting

## NexGen HM™ Protease Inhibitor



Thermally Stable



Broad Spectrum



Water Soluble



Negligible toxicity



No interference in  
fluorescence-based  
quantification of  
protein



Low competitive  
pricing (<5-10 times)



EDTA Free



pH Stability



Zero cost cold  
condition transport



Compatible with  
Buffer & Surfactant



Concentration: 50X  
Volume: 15 mL  
Catalogue no: BPBOI001

HSN Code: 38112900

**₹ 19,476.26**



## NexGen HM Protease Inhibitor

Concentration: 50X  
Volume: 2mL  
Catalogue no: BPBOI001

HSN Code: 38112900

₹ 4738.97



## NexGen HM Protease Inhibitor 10 Units

Concentration : 50X  
Volume : 15 mL x 10 units  
Catalogue no : BPBOI021

HSN Code: 38112900

₹ 1,75,286.34



## NexGen HM Protease Inhibition Kit

Concentration: 100 Reactions  
Volume: Kit  
Catalogue no: BPBOI003

HSN Code: 38112900

₹ 6,521





## NexGenHM Protease Inhibitor

### For Tissue Lysate

Concentration: 50X  
Volume: 1 mL  
Catalogue no: BPBOI009

HSN Code: 38112900

₹ 6,521



## NexGen HM Protease Inhibitor

### For Mammalian Cell Lysate

Concentration: 50X  
Volume: 1 mL  
Catalogue no: BPBOI008

HSN Code: 38112900

₹ 6,521



## Trypsin inhibitor solution

### Sterile-filtered, suitable for cell culture

Volume : 100 mL 500mL  
Catalogue no : BPBOI030 BPBOI030

HSN Code: 38112900

₹ 1,200

₹ 4,950



## Trypsin inhibitor solution

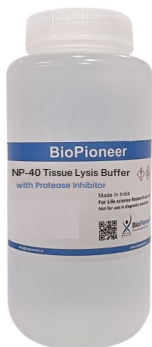
Animal Component Free

Volume : 100 mL

Catalogue no : BPBOI031

HSN Code: 38112900

₹ 19,000



## NP-40 Tissue Lysis Buffer with Protease Inhibitor

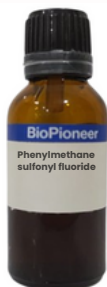
Concentration : 1X

Volume : 100 mL

Catalogue no : BPBOI022

HSN Code: 38229090

₹ 13,215



## Phenylmethanesulfonyl fluoride (PMSF)

Catalogue no : BPBOI025

Volume : 5G

₹ 7,852

Volume : 25G

₹ 12,000

HSN Code: 38229090



## NexGen HM RIPA Buffer with Protease Inhibitor

Concentration : 1X  
Volume : 100 mL  
Catalogue no : BPBOI023

HSN Code: 38229090

₹ 14,538



## RIPA Buffer

Concentration : 1X 1X  
Volume : 200 mL 100mL  
Catalogue no : BPBOI016 BPBOI016

HSN Code: 38229090

₹ 22,000

₹ 12,000



## NP-40 Tissue Lysis Buffer

Concentration : 1X  
Volume : 100 mL  
Catalogue no : BPBOI015

HSN Code: 38229090

₹ 9,800



### TAE Buffer

Concentration : 50X  
Volume : 500mL  
Catalogue no : BPBOI010

HSN Code: 38229090

₹ 4,500



### TAE Buffer

Concentration : 10X  
Volume : 500 mL  
Catalogue no : BPBOI011

HSN Code: 38229090

₹ 1,800



### TBE Buffer

Concentration :	10X	10X
Volume :	200 mL	1L
Catalogue no :	BPBOI012	BPBOI012

HSN Code: 29420090

₹ 790

₹ 3,500



## 1X PBS pH (7.4)

Concentration : 1X  
Volume : 100mL  
Catalogue no : BPBOI026

HSN Code: 38229090

₹ 700



## 1X PBS pH (7.4)

Concentration : 1X  
Volume : 500 mL  
Catalogue no : BPBOI026

HSN Code: 38229090

₹ 1500



## Tris-Glycine-SDS Running Buffer (Premix)

Concentration : 10X  
Volume : 5 L  
Catalogue no : BPBOI013

HSN Code: 38229090

₹ 7,900



## SDS PAGE Loading Dye

Concentration : 4X  
Volume : 5 mL  
Catalogue no : BPBOI019

HSN Code: 38229090

₹ 885



## Bradford Reagent

Concentration :	1X	1X
Volume :	100 mL	500 mL
Catalogue no :	BPBOI017	BPBOI017

HSN Code: 38229090

₹ 790

₹ 2,900



## NexGen Proteinase K

Concentration :	>30U/mg	>30U/mg
Volume :	50 mG	100 mG
Catalogue no :	BPBOI020	BPBOI020

HSN Code: 38229090

₹ 3,000

₹ 5,500



## NexGen Proteinase K

Concentration : 20 mg/mL  
Volume : 1 mL  
Catalogue no : BPBOI029

HSN Code: 38229090

₹ 3,160



## NexGen HM Proteinase K Inhibitor

Concentration: 50X  
Volume: 1 mL  
Catalogue no: BPBOI002

HSN Code: 38112900

₹ 6,350



## NexGen Phosphatase Inhibitor

Concentration: 100X  
Volume: 1 mL  
Catalogue no: BPBOI033

HSN Code: 38112900

₹ 4,770



## Western Blot Transfer Buffer Powder Form (Premix)

Concentration : 10X  
Volume : 1 L  
Catalogue no : BPBOI014

HSN Code: 38229090

₹ 3,100



## BCIP/NBT Color Development Substrate

Volume : 100 mL  
Catalogue no : BPBOI027

HSN Code: 38229090

₹ 4,093



## DEPC Treated Water

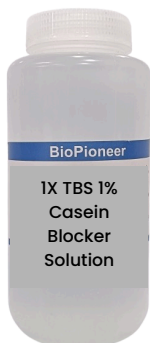
Volume : 100 ml      10 X 100 mL  
Catalogue no : BPBOI099      BPBOI099

HSN Code:38229090

₹ 1,100

₹ 10,540





## 1X TBS 1% Casein Blocker Solution

Concentration :	1X	1X
Volume :	1000 mL	5 x 1000 mL
Catalogue no :	BPBO1109	BPBO1109

₹ 8,760

₹ 36,998



## RBC Lysis Buffer 10X

Concentration :	10X	10X
Volume :	100 mL	500 mL
Catalogue no :	BPBO1108	BPBO1108

HSN Code: 38220019

₹ 2,500

₹ 9,590



## NexGen HM Protease Free Spray

Concentration :	1X	1X
Volume :	175 mL	10 x 175 mL
Catalogue no :	BPBO1024	BPBO1024

HSN Code: 3811

₹ 1,300

₹ 9,999



## Trypan blue 0.4% Solution

Volume : 100 mL  
Catalogue no : BPBOI0104

HSN Code: 110002

₹ 2487



## NexGen HM Blood Collection System With added Protease inhibitor

For R&D Purposes only

Capacity : 4 mL  
Quantity: 100 Tubes  
Catalogue no : BPBOI032

HSN Code: 3811

₹ 2,500

***"We offer exclusive price discounts on  
bulk quantity orders"***



Growth Factors	Quantity	Catalogue No	HSN Code
PLGF-1	10µg- 10mg	BPBOI098	35079099
TGF Alpha	10µg- 10mg	BPBOI034	35079099
HGF	10µg- 10mg	BPBOI035	35079099
VEGF	10µg- 10mg	BPBOI036	35079099
PDGF-Beta	10µg- 10mg	BPBOI037	35079099
FGF21	10µg- 10mg	BPBOI038	35079099
IGFB1	10µg- 10mg	BPBOI039	35079099
IGFB2	10µg- 10mg	BPBOI040	35079099
IGFB7	10µg- 10mg	BPBOI041	35079099
NGF	10µg- 10mg	BPBOI042	35079099
FGF23	10µg- 10mg	BPBOI043	35079099
FGF2	10µg- 10mg	BPBOI044	35079099
TGFB3	10µg- 10mg	BPBOI045	35079099
FGF23	10µg- 10mg	BPBOI046	35079099
EGF-1	10µg- 10mg	BPBOI047	35079099
EGF-2	10µg- 10mg	BPBOI048	35079099
HGF-1	10µg- 10mg	BPBOI049	35079099
TGFB1-1	10µg- 10mg	BPBOI050	35079099
TGFB1-2	10µg- 10mg	BPBOI051	35079099
TGFB2	10µg- 10mg	BPBOI052	35079099

*\*For more details Ask for Quotation*



Interleukins	Quantity	Catalogue No	HSN Code
Interleukin-23, alpha, p19	10µg- 10mg	BPBOI053	35079099
Interleukin-16	10µg- 10mg	BPBOI054	35079099
Interleukin-12 beta	10µg- 10mg	BPBOI055	35079099
Interleukin-15	10µg- 10mg	BPBOI056	35079099
Interleukin-2	10µg- 10mg	BPBOI057	35079099
Interleukin-3	10µg- 10mg	BPBOI058	35079099
Interleukin-4	10µg- 10mg	BPBOI059	35079099
Interleukin-5	10µg- 10mg	BPBOI060	35079099
Interleukin-6	10µg- 10mg	BPBOI061	35079099
Interleukin-10	10µg- 10mg	BPBOI062	35079099
Interleukin-7	10µg- 10mg	BPBOI063	35079099
Interleukin 18	10µg- 10mg	BPBOI064	35079099
Interleukin 6	10µg- 10mg	BPBOI065	35079099
Interleukin-31 / IL31	10µg- 10mg	BPBOI066	35079099
IL-21	10µg- 10mg	BPBOI067	35079099
IL-1A	10µg- 10mg	BPBOI068	35079099
IL1R1	10µg- 10mg	BPBOI069	35079099
IL1B	10µg- 10mg	BPBOI070	35079099
IL1R2	10µg- 10mg	BPBOI071	35079099
IL-6RB	10µg- 10mg	BPBOI072	35079099
IL-17A	10µg- 10mg	BPBOI073	35079099
IL-17E	10µg- 10mg	BPBOI074	35079099
IL9R	10µg- 10mg	BPBOI075	35079099
IL22RA2	10µg- 10mg	BPBOI076	35079099
IL11RA (PGEX-6P-1)	10µg- 10mg	BPBOI077	35079099
IL24-1 (PGEX-6P-1)	10µg- 10mg	BPBOI078	35079099
IL-18	10µg- 10mg	BPBOI079	35079099
IL-18R1	10µg- 10mg	BPBOI080	35079099
IL-18RAP	10µg- 10mg	BPBOI081	35079099
IL-9R (PGEX-6P-1)	10µg- 10mg	BPBOI082	35079099
IL-9 (PGEX-6P-1)	10µg- 10mg	BPBOI083	35079099

***\*For more details Ask for Quotation***



Chemokines	Quantity	Catalogue No	HSN Code
BCA-1/CXCL13	10µg- 10mg	BPBOI084	35079099
CCL15/MIP-5/MIP-1 Delta	10µg- 10mg	BPBOI085	35079099
CCL18/PARC/MIP-4	10µg- 10mg	BPBOI086	35079099
CCL19/MIP-3b	10µg- 10mg	BPBOI087	35079099
CCL2/MCP-1	10µg- 10mg	BPBOI088	35079099
CCL21/6Ckine	10µg- 10mg	BPBOI089	35079099
CCL22/MDC	10µg- 10mg	BPBOI090	35079099
CCL24/Eotaxin-2/MPIF-2	10µg- 10mg	BPBOI091	35079099
CCL8/MCP-2	10µg- 10mg	BPBOI092	35079099
CXCL11	10µg- 10mg	BPBOI093	35079099
CXCL12 / SDF-1 beta	10µg- 10mg	BPBOI094	35079099
CXCL14/BRAK	10µg- 10mg	BPBOI095	35079099
CXCL9 / MIG	10µg- 10mg	BPBOI096	35079099
I-309/CCL1/TCA-3	10µg- 10mg	BPBOI097	35079099

***\*For more details Ask for Quotation***

## Citations

- Senapati U, Pani S, Rout S, Sahu B, Pani P, Swalsingh G, Pati B, Bal NC. Characterization of differential distribution patterns between mitofusin isoforms and their interaction in developing skeletal muscles of rat. **Journal of Cellular Biochemistry**. 2023 Nov;124(11):1792-802.
- Utkalaja BG, Sahu SR, Parida SS, Acharya N. Hsp90-Mediated Multi-Drug Resistance in DNA Polymerase-Defective Strains of *Candida albicans*. **Journal of Fungi**. 2024 Mar 19;10(3):222.
- Baral B, Panigrahi B, Kar A, Tulsiyan KD, Suryakant U, Mandal D, Subudhi U. Peptide nanostructures-based delivery of DNA nanomaterial therapeutics for regulating gene expression. **Molecular Therapy-Nucleic Acids**. 2023 Sep 12;33:493-510.
- Senapati U, Pani S, Rout S, Sahu B, Pani P, Swalsingh G, Pati B, Bal NC. Characterization of differential distribution patterns between mitofusin isoforms and their interaction in developing skeletal muscles of rat. **Journal of Cellular Biochemistry**. 2023 Nov;124(11):1792-802.
- Pani S, Senapati U, Sahu B, Pati B, Swalsingh G, Pani P, Bindhani BK, Achary KG, Bal NC. Developmental overlap between skeletal muscle maturation and perirenal fat brown-to-white transition in goats: exploring the role of Myf-5. **Biochimie**. 2024 Aug 7.
- Swalsingh G, Pani P, Senapati U, Sahu B, Pani S, Pati B, Rout S, Bal NC. Intramuscular administration of fractalkine modulates mitochondrial properties and promotes fast glycolytic phenotype. **BioFactors**.
- Ashok Kumar Patra, Shreenath Nayak, Anandita Moharana, Purusottam Ojha, Sanjeet Kumar Das, Javed Akhtar, Bishwaranjan Giri, Sujay Singh. Preliminary Investigation and Therapeutic Efficacy Determination of a Novel Anti-IL-17A Antibody, Indikizumab. **Biologics: Targets and Therapy**. 2024
- Suryakanta U, Panigrahi B, Pal S, Das S, Biswas S, Mandal D. Peptide-derived gold nanoparticles as promising delivery system for Src targeting siRNA in breast cancer cells. **RSC Pharmaceuticals**. 2025.
- Utkalaja BG, Patel SK, Sahu SR, Dutta A, Acharya N. Critical roles of Dpb3-Dpb4 sub-complex of DNA polymerase epsilon in DNA replication, genome stability, and pathogenesis of *Candida albicans*. **Mbio**. 2024 Oct 16;15(10):e01227-24.

## Customer Feedback

"The product is equally good in inhibiting protein degradation as those procured from other company, the gel image we got indicate that protein remain intact during protein isolation".

**Dr. Dharmaraja Allimuthu**  
Assistance professor, IIT Kanpur

"We are highly satisfied with NexGen HM Protease Inhibitor provided by Biopioneer Pvt.Ltd. Major advantages of this PI is wide range pH and thermal stability. Biopioneer PI is equally good as compared to Roche PI and the same can be observed through SDS PAGE analysis. Western blot analysis has been carried out in 3 different antibodies, results are satisfactory, it is comparable with marketed Pic"

**Dr. Soma Chattopadhyay**  
Scientist-F, Institute of Life Sciences, Bhubaneswar

The NexGen HM Protease Inhibitor was efficient at Preventing protein degradation, and Inhibitory activity was better than available existing inhibitors. No interfere during protein estimation

**Dr. Hem Chandra Jha**  
IIT Indore

"The Inhibitor was efficient at Preventing protein degradation, and Inhibitory activity was better than commercially available inhibitors. It did not interfere during protein estimation."

**Dr. Amitava Das**  
Senior Principal Scientist, CSIR-Indian Institute of Chemical Technology, Hyderabad



### Certificate of Registration

This is to certify that

**BIOPIIONEER PVT LTD**  
KIIT-TBL CAMPUS-11, KIIT BHUBANESWAR-751024, INDIA

has been independently assessed by QRO  
and is compliant with the requirement of:

**ISO 9001:2015**  
**Quality Management System**

For the following scope of activities:

MANUFACTURE OF VARIOUS CHEMICALS NOVEL, PROTEASE INHIBITORS, OTHER ORGANIC CHEMICALS, INORGANIC PRODUCTS, NANOMATERIALS, LABORATORY REAGENTS, CHEMICAL SUBSTANCES USED IN THE MANUFACTURING OF PESTICIDES, AND OTHER CHEMICAL PRODUCTS FOR COSMETIC, DIAGNOSIS, AND ACTIVE PHARMACEUTICAL INGREDIENTS, CONSULTING AND SERVICES.

Date of Certification: 27th September 2024  
1<sup>st</sup> Surveillance Audit Due: 26th September 2025  
2<sup>nd</sup> Surveillance Audit Due: 26th September 2026  
Certificate Expiry: 26th September 2027

Certificate Number: 305024092708Q





Head of Certification

Validity of this certificate is subject to annual surveillance audits to be done successfully on or before 360 days from date of the audit. (In case surveillance audit is not allowed to be conducted, this certificate shall be suspended/ withdrawn).  
The validity of this certificate can be verified at [www.qprocert.org](http://www.qprocert.org).  
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### Certificate of Compliance

This is to certify that the

**BIOPIIONEER PVT LTD**  
at  
KIIT-TBL CAMPUS-11, KIIT BHUBANESWAR-751024, INDIA

has been assessed and found working satisfactorily as per the norms of

**Good Manufacturing Practice (GMP)**

For the following scope of activities: applied to its products

MANUFACTURE OF VARIOUS CHEMICALS NOVEL, PROTEASE INHIBITORS, OTHER ORGANIC CHEMICALS, INORGANIC PRODUCTS, NANOMATERIALS, LABORATORY REAGENTS, CHEMICAL SUBSTANCES USED IN THE MANUFACTURING OF PESTICIDES, AND OTHER CHEMICAL PRODUCTS FOR COSMETIC, DIAGNOSIS, AND ACTIVE PHARMACEUTICAL INGREDIENTS, CONSULTING AND SERVICES.

Certificate Number: UQ - 2024092703

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2nd Surveillance Audit Due	26th September 2026
Certificate Expiry	26th September 2027

Authorised Signatory





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Think Protease Inhibitor  
Think NexGen HM

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