



**ENZYMES • PROBIOTICS • BIO-ACTIVES**

AN INTEGRATED BIOTECH COMPANY

**#innovationthroughdiscovery**

# OUR BUSINESS VERTICALS

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Meteoric Biopharmaceuticals is a first-generation, research-driven, integrated, and diversified global biopharma leader. With a belief in 'Innovation through Discovery', Meteoric Biopharmaceuticals today services over 500 customers across 50+ industries across the globe. Starting from our first office in 2006, from 03 employees to a team of over 150 skilled professionals. From a single 200 sq. feet warehouse to over 50000 sq. feet of production area and 02 state -of -the art laboratories, today we are a one stop solution for all biological requirements across Enzymes, Probiotics, Bio-Actives, Finished Formulations, and Animal Health Care Products. We also offer unique services of Product Customization, Concept Formulation and Contract Manufacturing under one roof.



Vet Meteoric, is a well-established Animal Healthcare Division of Meteoric Biopharmaceuticals that focuses solely on the veterinary market.

The focus of the division is to work towards enhancing animal health by manufacturing, supplying, and marketing best-in-class veterinary products viz. high-quality feed supplements, feed additives as raw materials and its premixes.

A comprehensive range of veterinary Product portfolio including enzymatic preparations, probiotic blends, combination of best in class phytoextracts that will outperform traditional veterinary products in terms of efficacy and results in future are continuously developed and introduced by Meteoric's Animal Health Division.



Panacea Phytoextracts Pvt. Ltd., a subsidiary of Meteoric Biopharmaceutical Pvt. Ltd. is an innovative and leading manufacturer and supplier of optimum quality standardized herbal extracts for the formulation of Herbal Biomedicines, Phytodrugs, Nutraceuticals, Food supplements, Pharmaceutical intermediates, Cosmetics products.

Panacea Phytoextracts Pvt. Ltd. devotes to being an integrated supplier for the global supply chain, we offer a broad array of raw materials and functional ingredients as a manufacturer, distributor and supplier for the Global Beverage, Nutraceutical, Food, Feed and Cosmeceutical Industry. Quality, implementation and traceability are the pillars that support the base of our structure and goals.

Currently, the company deals with over 50 different standardized herbal extract solutions with high quality specifications of HPLC grade analysis. All products are GMP certified, clinically tested by standardized protocols and strictly kept in sterile conditions. The product specifications are firmly recognized by international standards and competitively priced.

# A Pioneer In The Indian Industry

- First to introduce a range of cocktail enzymes for cross industrial applications
- First to introduce novel probiotic blends for varied applications
- 11 Probiotic strains registered in MTCC under patent Budapest
- Genetically stable strains, confirmed by DNA fingerprinting patterns
- USFDA, KFDA, and PMDA compliant
- Largest exporter of Bromelain and Nattokinase
- Robust production facilities backed by 2 in-house testing laboratories: analytical and microbiological
- Commercialized 120+ formulations across 30+ geographies across the globe
- Serving 500+ customers in over 90 countries
- Proudly headquartered in India with offices in USA and Vietnam

## ACCREDITATIONS



# Key Enzymes



## Bromelain

- Registered at KFDA and PMDA
  - Concentrated and purified form approved by SORA & Venture Lab
  - Validated by GDU – USP NF and HPLC method
  - ETO free
  - Powder and Pellets form
  - DMF/ASMF
- 

## Serratiopeptidase / Serrapeptase

- Approved NDI – 1236
  - Powder & Enteric coated granules form
  - Coated form – high acid resistance & slow-release technology
  - Free of microbes
  - Method evaluated by IP , JP.
  - DMF /ASMF
- 

## Papain

- Odorless
  - Soluble in water
  - Sulfate and lactose-free
  - Free of microbes
  - Crude powder, liquid, and Enteric coated granule form
  - Method evaluated by USP, TU, FIP, PU, IP
  - DMF /ASMF
- 

## Pepsin

- Registered at CDSCO
  - Powder, syrup & Injection : stable form
  - Two Variants – Water soluble & Insoluble
  - Method evaluated by IP, BP, EP, USP
  - DMF /ASMF
- 

## Pancreatin

- Registered at CDSCO
  - Powder and Enteric coated pellet form
  - Pellets – Highly acid resistance
  - Method evaluated by IP, BP, EP, USP
  - DMF /ASMF
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## Lipase

- Powder, liquid & granules form
- Sources: Aspergillus spp., Candida Rugosa
- Immobilized lipase – reusable (CAL-BL & CAL-BG)
- Free of microbes



## **(Vegan Pancreatin)**

- Active at a wide range of pH
  - Highly concentrated & stable
  - Free from contaminants
  - Powder and Enteric coated pellet form
  - Residual solvent free
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## **Trypsin**

- Soluble in water
  - Powder and granules form
  - Method evaluated by USP, BP.
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## **Trypsin- Chymotrypsin**

- Soluble in water
  - Powder and granules form
  - Method evaluated by USP, BP
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## **Invertase**

- Powder form
  - Stable at elevated temperature of 45 -55°C
  - Method evaluated by USP and EP
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## **Lactase**

- Heat stable
  - Stable at a wide range of pH
  - Powder and liquid form
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## **Fungal Alpha-Amylase**

- Two sources:
    - 1) Alpha Amylase
    - 2) Bacterial Amylase
  - Water soluble & insoluble
  - Powder and granule form
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## **Lysozyme**

- Microbial and Egg white Lysozyme
- Microbial Lysozyme – Free of microbes
- Egg White Lysozyme – Residual solvent free
- Nontoxic, microcrystalline powder

# Enzymes



- Bromelain (IP, BP, USP & JP)
- Serratiopeptidase powder
- Serratiopeptidase enteric-coated granules
- Papain (Sulphite free & Lactose free)
- Alpha Galactosidase
- Fungal alpha amylase/  
Bacterial alpha amylase
- Trypsin (USP & BP)
- Trypsin-Chymotrypsin
- Chymotrypsin
- Kallidinogenase
- Pepsin (USP, EP & Injectable grade)
- Pancreatin (USP, BP & EP)
- Pancreatin Pellets
- Vegan Pancreatin
- Lipase (Rhizopus oryzae & Candida rugosa)
- Lactase (Neutral & Acidic)
- Protease (Alkaline, Neutral, Acidic)
- Nattokinase (also available in EC form)
- Isomerase
- Dextranase
- Co-enzyme Q10
- Lysozyme (HCL, Egg White & Microbial)
- Cellulase
- Hemicellulase
- Beta Glucanase
- Xylanase
- Pectinase
- Transglutaminase
- Glucose oxidase
- Mannanase (Acidic, Alkaline, Neutral)
- Invertase

# Enzyme Blends



Enzymatic blends offering benefits such as better digestion, aids joint point, improve protein metabolism and properties like anti-inflammatory

## Signature Blends

**MetRelief TBR™**

- Trypsin
- Bromelain
- Rutoside

**MetDigestenz™**

- Amylase
- Glucoamylase
- Lactase
- Protease
- Peptidase
- Lipase

## Enzyme Blends

- Amylase
- Protease
- Lipase
- Lactase
- Cellulase
- *Bifidobacterium lactis*
- *Bifidobacterium infantis*

- Acid Protease
- Alkaline Protease
- Neutral Protease
- Cellulase
- Amylase
- Glucoamylase
- Lipase
- Xylanase

**Note:**

We offer customized enzymatic blends as per client's requirement

# Key Probiotics



## ***Bacillus Coagulans MB BCM9***

- Stable and compatible in all food & pharma categories
  - Registered in MTCC under patent Budapest
  - Genetically stable strain
  - Enriched with preclinical and clinical studies
  - Registered in MAPA, Brazil
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## ***Lactobacillus Acidophilus MB LAM3***

- Registered in MTCC under patent Budapest
  - Enriched with preclinical studies
  - Antagonism against intestinal pathogenic bacteria
  - Effective in many medical conditions
  - Improve lactose intolerance condition
  - Reduction of cold and flu symptoms
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## ***Streptococcus Thermophilus MB STM9***

- Registered in MTCC under patent Budapest
  - Effective antioxidant activities
  - Acidifying capacity is very high
  - Multifunctional starter culture to produce fermented milk
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## ***Bacillus Subtilis MB BSM12***

- Registered in MTCC under patent Budapest
  - Registered in MAPA, Brazil
  - Bio-concrete preparation
  - Effective in wastewater treatment and bioaugmentation
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## ***Saccharomyces Boulardii MB SBM6***

- Registered in MTCC under patent Budapest
  - Thermotolerant yeast
  - Effective in acute paediatric diarrhoea
  - Excellent biotherapeutic agent
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## ***Lactobacillus Reutrii MB LREM24***

- Improve flavour and texture of food
  - Produces antimicrobial molecules
  - Effective in Immunomodulation
  - Produce a Reuttering-antimicrobial substance that works as a food preservative
  - Helps to overcome obesity
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## ***Lactobacillus Plantarum MB LPM27***

- Reduce the appearance of acne
  - Lowered blood cholesterol levels
  - Effective in women's care
  - Maintain intestinal permeability
  - Highly effective in depression
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## ***Lactobacillus Rhamnosus MB LRM6***

- Adhere to and colonize your intestinal walls
- Registered in MTCC under patent Budapest
- Aid in treating colic in infants
- Improve insulin sensitivity and blood sugar control
- Promote weight loss



# Probiotics



| Genus                  | Species                | Strain Code | Potency     |
|------------------------|------------------------|-------------|-------------|
| <i>Lactobacillus</i>   | <i>acidophilus</i>     | MB LAM03    | 200 Billion |
|                        | <i>rhamnosus</i>       | MB LRM6     | 200 Billion |
|                        | <i>brevis</i>          |             | 200 Billion |
|                        | <i>bulgaricus</i>      |             | 50 Billion  |
|                        | <i>reuteri</i>         |             | 100 Billion |
|                        | <i>casei</i>           |             | 300 Billion |
|                        | <i>paracasei</i>       |             | 400 Billion |
|                        | <i>gasseri</i>         |             | 200 Billion |
|                        | <i>plantarum</i>       |             | 400 Billion |
|                        | <i>salivarius</i>      |             | 300 Billion |
|                        | <i>helveticus</i>      |             | 250 Billion |
|                        | <i>johnsonii</i>       |             | 250 Billion |
|                        | <i>fermentum</i>       |             | 250 Billion |
|                        | <i>crispatus</i>       |             | 250 Billion |
| <i>lactis</i>          |                        | 300 Billion |             |
| <i>Bifidobacterium</i> | <i>longum</i>          | MB BBLM15   | 100 Billion |
|                        | <i>bifidum</i>         | MB BBM12    | 100 Billion |
|                        | <i>lactis/animalis</i> |             | 500 Billion |
|                        | <i>breve</i>           |             | 300 Billion |
|                        | <i>infantis</i>        |             | 50 Billion  |
| <i>Bacillus</i>        | <i>coagulans</i>       | MB BCM9     | 250 Billion |
|                        | <i>subtilis</i>        | MB BSM12    | 200 Billion |
|                        | <i>clausii</i>         | MB BCLM18   | 300 Billion |
|                        | <i>licheniformis</i>   | MB BLM21    | 200 Billion |
| <i>Streptococcus</i>   | <i>thermophilus</i>    | MB STM9     | 400 Billion |
|                        | <i>faecalis</i>        |             |             |
| <i>Pediococcus</i>     | <i>acidilactici</i>    |             | 100 Billion |

# Yeasts



| Genus                     | Species           | Strain Code | Potency    |
|---------------------------|-------------------|-------------|------------|
| <i>Saccharomyces</i>      | <i>bouardii</i>   | MB SBM6     | 20 Billion |
|                           | <i>cerevisiae</i> |             | 20 Billion |
| <i>Inactive Dry Yeast</i> |                   |             |            |
| <i>Active Dry Yeast</i>   |                   |             |            |

# Probiotic Blends



Scientifically proven probiotic blends offering benefits such as: Improving antibiotic treatment, enhance digestion, increasing protein absorption, being highly stable, stable in emulsion formulations, preventing kidney stones, maintaining kidney function, maintaining vaginal flora and preventing UTI

## Signature Blends



### MetSheFlora-Pro™

- *Lactobacillus acidophilus*
- *Lactobacillus johnsonii*
- *Lactobacillus reuteri*
- *Lactobacillus rhamnosus*
- *Lactobacillus crispatus*
- *Lactobacillus delbruki spp.bulgaricus*
- *Lactobacillus plantarum*
- *Lactobacillus helveticus*
- *Lactobacillus gasseri*



### MetProrenes®

- *Lactobacillus acidophilus*
- *Bifidobacterium longum*
- *Streptococcus thermophilus*



### MetProUltima®

- *Lactobacillus acidophilus*
- *Lactobacillus brevis*
- *Lactobacillus casei*
- *Lactobacillus rhamnosus*
- *Lactobacillus paracasei*
- *Lactobacillus salivarius*
- *Lactobacillus plantarum*
- *Lactobacillus bulgaricus*
- *Bifidobacterium breve*
- *Bifidobacterium bifidum*
- *Bifidobacterium longum*
- *Bifidobacterium lactis*

## Probiotic Blends

- *Streptococcus thermophilus*
- *Lactobacillus acidophilus*
- *Bifidobacterium longum*
- *Bacillus coagulans*

- *Streptococcus faecalis*
- *Clostridium butyricum*
- *Bacillus mesentericus*
- *Lactic acid bacillus*

### Note:

We offer customized probiotic blends as per client's requirement

# Key Bio Actives



## L-Glutathione Reduced

- Food & Pharma grade available
- Water soluble
- Complies USP and EP

## L-Glutathione Enriched Yeast Extract

- Extracted from Yeast Wall
- Various concentrations such as 10%,15%, 25%, 50%,70% and 80%
- Concentrations can be modified

## Hyaluronic Acid

- Food Grade, cosmetic grade and Injection grade
- Wide range of molecular weight

## Beta Glucan

- Diverse sources : Yeast, oat, mushroom
- Soluble & insoluble form

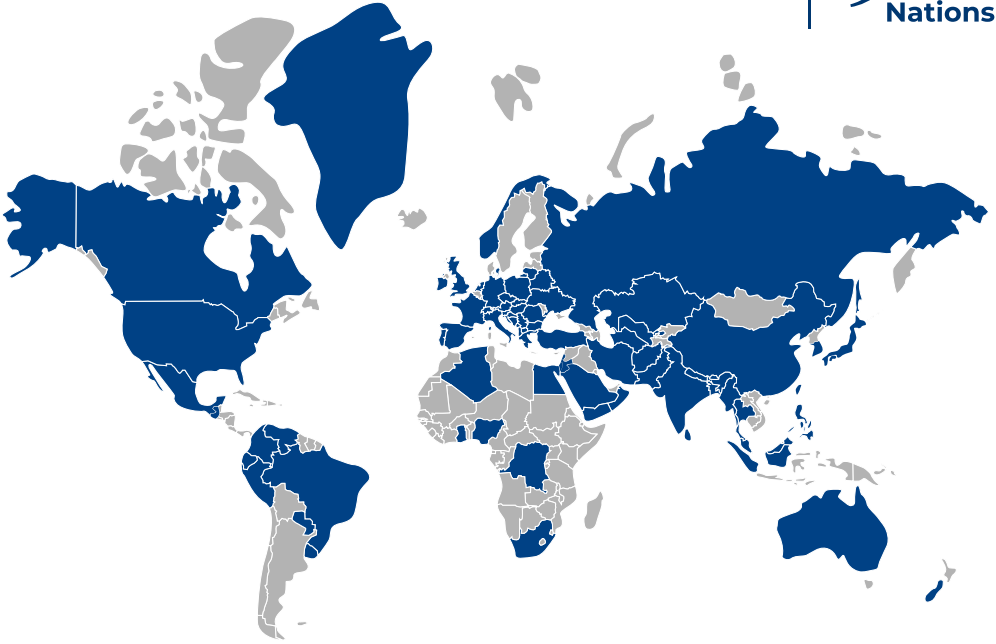
# Bio-Actives



- Sodium Hyaluronate (Food grade,cosmetic and Injectable)
- Lutein (Oil, Powder and Beadlets) (Ester & Ester Free)
- Unique Blend of TBR (Powder, DC Granules) (Trypsin + Bromelain + Rutoside)
- L-Glutathione Reduced (Food & Injectable)
- L-Glutathione Enriched Yeast Extract
- Beta Glucan – (Yeast, Oat and Schizophyllum commune)
- S-adenosyl - L- methionine (SAME)
- ATP (Adenosine Triphosphate)
- Alpha GPC
- PQQ (Pyrroloquinoline Quinone Disodium salt)
- Phosphatidyl choline
- Phosphatidyl serine
- Superoxide Dismutase (SOD)
- Chondroitin Sulfate Sodium
- N-acetyl Glucosamine
- L-theanine
- Cytidine
- Uridine
- Alpha Lipoic acid
- L- Methyl Folate
- L-Carnitine L- Tartrate
- Bile Salt
- Lactoferrin
- Sitagliptin

# MARKET REACH

Present  
Across  
**90**  
Nations



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