

# Bio-Immune®





Anti-viral | Immunomodulator

Bio-Immune® supramolecular inclusion complex with excellent anti-viral and immunomodulation properties.

- Bio-Immune® inhibited the replication of SARS CoV 2 virus by >99.9%
- Highly soluble: 2.68-fold increase in the aqueous solubility
- More bioavailable – An increase of 50%
- Better Half Life - 6.38 hours



## BIO-IMMUNE: HEALTH BENEFITS

-  Management of Viral Fever Symptoms
-  Management of Upper Respiratory Tract Infection
-  Effective immunomodulator
-  Hepatoprotective

## DOSAGE:

**Oral:** 100 mg, twice a day

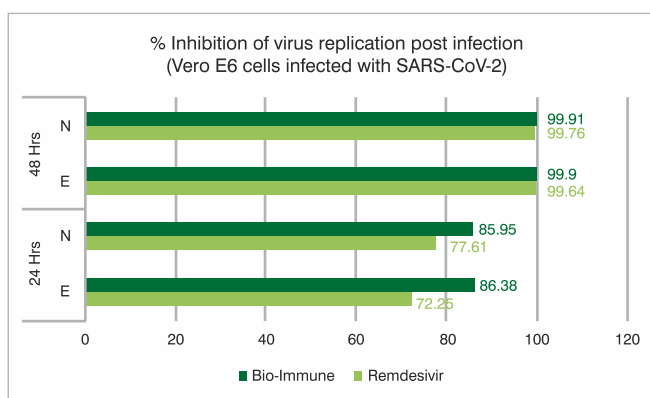
**Nasal:** 0.18 mg/spray/nostril

## DELIVERY FORMAT:

- Powder
- Capsules
- Tablets
- Syrups
- Nasal & Mouth Spray
- Oral hygiene products

## About the Bioactive : Andrographolide

- **Andrographolide** has been extensively tested in-vitro and in-vivo against a variety of viruses including HPV, Influenza A virus, Hepatitis B virus Hepatitis C virus, Herpes simplex virus and HIV  
(Source: <https://www.nature.com/articles/srep14179.pdf>)
- Thailand has cleared the use of Andrographis paniculata for Covid-19 Treatment  
(Source: Bloomberg.com)
- Andrographis paniculata (Chuān Xīn Lián) is effective in symptomatic relief of acute respiratory tract infections in adults and children  
(Source: Hu, Xiao-Yang et al., PloS one vol. 12,8 e0181780. 4 Aug. 2017)



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## Pre-clinical Study proven:

- Bio-Immune to be Safe for Oral & Pulmonary delivery Formulation

	Bio-Immune™
Acute Toxicity Study – Oral route	Bio-immune™ at the oral dose equivalent to 2000 mg/kg in rat was found to be safe
Sub-acute Toxicity Study - Oral route	Bio-immune™ at the oral dose equivalent to 666 mg/kg in rat was found to be safe
Acute Toxicity Study – Pulmonary route	Dose equivalent to 5 mg/L/4hr in rat was found to be safe
Sub-acute Toxicity Study - Pulmonary route	Bio-immune™ at the dose equivalent to 0.5 mg/L/4hr/Day in rat was found to be safe

## WHY CHOOSE BIO-IMMUNE

- Standardized Natural Extract
- In-vitro clinical studies establish its efficacy
- Toxicity studies conducted
- Research paper published and peer reviewed
- Made from Andrographolide – A well established and well researched molecule

## Mode of administration:



Oral



Pulmonary formulation



Scan to view published paper

## AMBE PHYTOEXTRACTS PVT. LTD.



### Corporate Office:-

A - 144, Sector - 63, NOIDA, Uttar Pradesh - 201301 (INDIA)

Tel: +91-120-4505353, E-mail: info@ambe-group.com

Website: www.ambe-group.com

## MANUFACTURING UNIT

Pauri Garhwal,

Uttarakhand - 246276 (INDIA)

SIIDCUL, Haridwar,

Uttarakhand - 249403 (INDIA)