



**(Colostrum 350 mg Capsules)**

**90 veg. capsules**

**Composition:**

**Each Capsule Contains Approx.:**

Colostrum (IgG 23%).....350 mg

**What is Colostrum?**

Colostrum is the pre milk fluid secreted by the mammary glands of all the mammals after giving birth to their babies. Colostrum contains necessary growth factors, information carrying-peptides and biochemical signals to initiate growth and development of the new born. Bovine Colostrum is abundant and plentifully available. It is a carrier of immunity for the new born calf Up to 40 times richer in immune factors compared to human colostrum. It is not species- specific so works very well in humans as well as other animals.

**Major Components of Colostrum:**

❖ **Immune Factors:**

Immune factors in colostrum provide protections. Immune factors such as Immunoglobulins such as (IgG, IgA, IgM, IgD, & IgE), Lactoferrin & Transferrin are iron binding proteins having potent antiviral, antibacterial, anti- inflammatory and radical scavenging effects. Lysozyme, Lactoperoxidase, Xanthine oxidase enzymes capable of destroying bacteria and viruses on contact.

❖ **Growth Factors:**

Growth factors give support. Growth factors such as Nucleotides, Amino Acids such as ( lysine, Arginine, Isoleucine, Threonine, Methionine, Tryptophan, Leucine, Valine, Cysteine, Histidine, Phenylalanine)v Vitamins such as (A,B<sub>1</sub>,B<sub>2</sub>,B<sub>3</sub>,B<sub>5</sub>,B<sub>6</sub>,B<sub>12</sub>,B<sub>13</sub>,C,D,E, Biotin, folic Acid), Minerals such as ( Ca, Na, Mn, K, Cu, I, Mg, Co, Fe, Cr, Phosphorous & Choline) are present in col-immune. Growth factors help in growth, repair and healing of tissue.

❖ **PRP (Proline Rich Polypeptide) Factors:**

PRP Factors such as Proline Rich Polypeptide help in homeostasis of immune system, Cytokines regulate the immune responses, Interlukin-10 reduces inflammation, and Lymphokines regulate immune response.

**Col-immune in Gastrointestinal disorders:**

- Col-Immune prevents the bacterial, viral, fungal and protozoal infections in GUT.
- Col- Immune by preventing colonization of H. Pylori on gastric epithelial cells helps in treatment of gastric and duodenal ulcers, gastritis.
- Col- Immune can restore GUT barrier and restore the altered gut permeability induced by chronic use of NSAIDs.
- Col-immune provides excellent supportive therapy for IBD, Crohn's disease and ulcerative colitis.
- Col-immune helps to restore integrity of the gut and can repair 'leaky gut'

**Col-immune in Neurology:**

- Col-immune retards the development and progression of Alzheimer's disease.
- Col-immune gives pain relief in patients with idiopathic facial pain syndrome like trigeminal neuralgia, gloss pharyngeal neuralgia, atypical facial pain, and myoarthopathy of the jaw.
- Col-immune is useful in treating widespread pain associated with fibromyalgia.

- Col-immune gives neuroprotective effect after focal brain ischemia followed by reperfusion.

#### **Col-immune in Cancer:**

- Col-immune is excellent supplement during Chemo and Radiation therapy.
- Col-immune prevents anorexia and nausea by reducing TNF- $\alpha$  and IL activity.
- Col-immune reduces inflammation.
- Col-immune prevents bacterial translocation to lymph nodes, spleen and liver.
- Col-immune prevents transfer of lipopolysaccharides across GI lining.
- Col-immune provides nutrients like vitamins, minerals and essential Amino Acids.
- In gastric malignancies, Col-immune prevents colonization of H. pylori on gastric epithelial cells.

#### **Col-immune in Pre & post surgery benefits:**

- Col-immune reduces incidence of septic shock.
- Col-immune reduces bacterial translocation.
- Col-immune neutralizes LPS and reduces blood levels of LPS perioperatively.
- Col-immune helps in faster surgical healing.
- Col-immune may help in preventing anastomosis leak.

#### **Col-immune in Women's Health:**

- Col-immune is 100 % Natural health supplement.
- Phase 1, 2 and 3 studies show no side effects, allergies or adverse reactions or drug interactions.
- Col-immune contains up to 40 times higher concentration of immune factors than human colostrum such as IgG, IgA, IgM, Lactoferrin, Transferrin, Lactoperoxidase, lysozyme.

- Col-immune can prevent flu, diarrheal infections, URTIs, food infections.
- Col-immune helps in treatment of pain and inflammation associated with osteo and rheumatoid arthritis.
- Col-immune works as a nutritional supplement of Iron, Calcium, vitamin D, B complex, essential amino acids, essential fatty acids.

**Col-immune in Bone Health:**

- Reduces pain and inflammation of Rheumatoid and osteo arthritis.
- Col-immune decreases NSAID induced GUT damage like gastritis and ulceration.
- Col-immune help in controlling symptoms of ankylosing spondylitis.

**Col-immune and HIV:**

- Col-immune helps in increasing CD 4 cell count in HIV patients.
- Col-immune significantly decreases the incidence of non specific diarrhea in AIDS patients.
- Col-immune improves fatigue to greater extent.
- Col-immune increases the weight and BMI.
- Col-immune shows improvement in hemoglobin count.

**Col-immune for General Health:**

- Col-immune is use for preventing bacterial, fungal, viral and protozoal infections such as Upper Respiratory Tract Infections, Diarrhea, Flu, Shigellosis, nor viral infections
- Col-immune use for preventing allergies such as Asthma, Rhinitis, Hay fever.  
100% Natural nutritional supplement providing passive immunity, vitamins, minerals, essential amino and fatty acids

**Route of administration:** Oral.

**Dosage:** 10-30 mg per kg body weight per day in divided dosages or as directed by physician, preferably on empty stomach better absorption.

**Storage:** Store in cool, hygienic & dry place. Protect from sunlight and moisture.

**SCHEDULE H PRESCRIPTION DRUG CAUTION-** Not to be sold by retail without the Prescription of a Registered Medical Practitioner.

**Presentation:** Col-immune Colostrum 350 mg is available in 1 x 90 Veg. capsules tin.

**Marketed By:**



**EPIONE PHARMACEUTICALS PVT.LTD.**

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