

AZBECO

Patented Herbal Nano Emulgel for Diabetic Foot Care, Wound Healing & Skin Protection

Developed by Acubiosys Pvt. Ltd., AZBECO is a patented, precision-engineered nano emulgel formulated with advanced Active Phyto-Pharmaceuticals designed for targeted management of diabetic foot discomfort, cracked skin, itching, and infection-prone conditions.

With advanced nano-delivery technology and skin-compatible therapeutics, AZBECO enhances topical penetration, improves hydration, and delivers targeted action at affected skin sites. It helps maintain healthy, protected feet by reducing infection risk, restoring skin comfort, and supporting overall skin integrity through deep moisturization and barrier protection.

Product Highlights

- ✓ Patented, clinically developed nano emulgel formulation enriched with Active Phyto-Pharmaceuticals
- ✓ Advanced multi-targeted topical herbal hydrogel for diabetic foot care management
- ✓ Nano-emulsion technology for improved penetration and faster action at affected sites
- ✓ Non-greasy, skin-friendly hydrogel base with excellent spreadability
- ✓ Designed for enhanced patient comfort and improved compliance

Key Benefits

- ✓ Helps reduce the risk of infection in diabetic and vulnerable foot conditions
- ✓ Helps relieve dryness, cracking, itching, and discomfort
- ✓ Supports restoration of soft, smooth, and healthy-looking skin
- ✓ Provides deep moisturization and long-lasting hydration
- ✓ Forms a protective barrier that shields and soothes affected areas
- ✓ Promotes healthier foot skin environment and improved comfort

Mechanism of Action

- ✓ Modulates inflammatory pathways such as JAK-STAT and p53 signaling, helping reduce redness, irritation, and cellular stress
- ✓ Supports faster tissue repair by restoring the thioredoxin reductase (TrxR/JNK) pathway, enhancing antioxidant defense and cellular regeneration
- ✓ Downregulates Matrix Metalloproteinase-9 (MMP-9), helping preserve collagen integrity and support controlled tissue remodeling
- ✓ Promotes collagen synthesis, re-epithelialization, and skin barrier restoration for effective healing and recovery

How It Works

- ✓ Enhances extracellular matrix (ECM) synthesis for structural repair and tissue regeneration
- ✓ Stimulates angiogenesis and neovascularization, improving blood flow and nutrient delivery to damaged tissue
- ✓ Promotes collagen formation and re-epithelialization, accelerating wound closure and skin restoration