



# HERBAL EXTRACTS FOR SKIN HEALTH

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# Herbal Extracts For Skin Health

## Single-herb extracts as cosmetic ingredients

Our potent, high-quality extracts have been developed to address specific skin conditions

They are produced at our ISO9001 facility from raw materials sourced from regions of China that grow the best quality medicinal herbs, and supplied by reliable distributors. After incoming Quality Control (QC) tests, the herbal material is subjected to our own proprietary extraction and purification steps to produce liquid extracts enriched in the desired phytochemicals and depleted of unwanted plant materials and contaminants. The extracts are subjected to rigorous QC before distribution to the clients.



# Angelica polymorpha sinensis root extract

Female ginseng for women and men



ANGELICAE SINENSIS RADIX  
CHINESE ANGELICA  
DANG GUI  
当归

**Angelica polymorpha sinensis (Dang Gui) root**, known as female ginseng, is a cherished botanical in traditional Eastern wellness. Renowned for its ability to enhance microcirculation, this powerhouse ingredient stimulates endothelial cell activity, supports blood vessel formation, and promotes cell migration. By optimizing oxygen and nutrient delivery, it breathes new life into the skin, restoring its natural glow and resilience. This property becomes particularly relevant for skin and scalp care formulations targeting areas prone to reduced blood flow, such as aging skin, scalp imbalances linked to hair thinning, and compromised skin barriers. **Angelica polymorpha sinensis** root extract is the perfect addition to formulations designed for skin rejuvenation and long-lasting vitality.

INCI Name:  
Glycerin, Water, **Angelica polymorpha sinensis** root extract

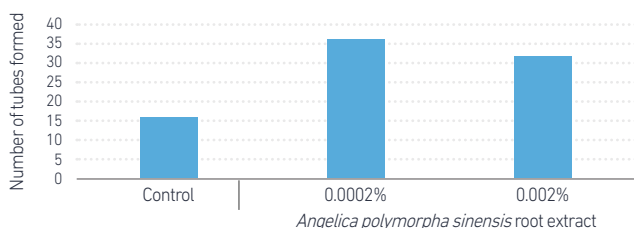
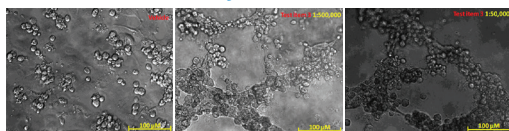
Free of:  
Preservatives, heavy metals, pesticide residues

## Angiogenic effect

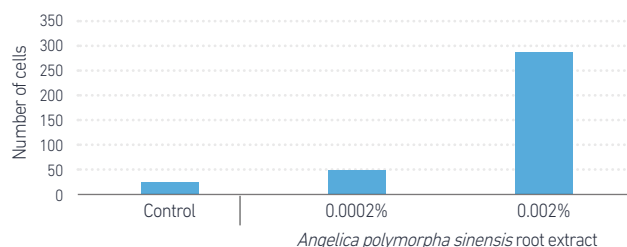
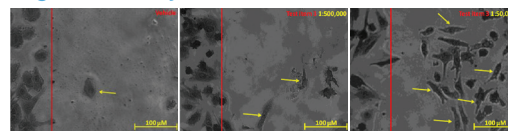
Angiogenesis - formation of new blood vessels is vital for normal tissue development and wound healing. Inadequate angiogenesis is part of pathologies such as diabetic foot. Two methods were employed to assess the pro-angiogenic potentials of the extract: tube formation of human endothelial cells and "scratch" method to demonstrate migration capacity of the cells.

Prominent angiogenesis-promoting potency of the *Angelica polymorpha sinensis* root extract is revealed in both assays.



### Tube formation assay






### Migration assay



### Marketing claims

-  Stimulates blood flow (microcirculation)
-  Assists to reduce redness and irritation

### Application

-  Skin care: Cream for aged and damaged skin on legs
-  Scalp care: Scalp lotion for promotion of blood flow
-  Face care: Anti-aging creams and lotions

**Recommended use level:** 0.5% – 2%

**Formulation:** Water miscible. Incorporation during the cooling phase (<40°C). Temperatures of up to 60°C for a short time do not affect the stability



Also available from Green Mountain Biotech

# Botaniplex™

## SYNERGISTIC HERBAL BLENDS FOR SKIN HEALTH

Botaniplex™ products are high-quality, potent, synergistic blends of herbal extracts developed to address specific skin conditions, treating them efficiently and safely. The products are blended from herbal extracts produced at our ISO9001 facility.



Botaniplex™ BALANCE SA

- Improves microbiome balance
- Assists in reducing redness and irritation
- Stimulates the skin's natural defense mechanisms



Botaniplex™ BALANCE SC

- Improves microbiome balance
- Assists in reducing redness and irritation
- Regulates sebum secretion



Botaniplex™ CALM 4

- Reduces dryness, wrinkling and fragility in aging skin
- Helps slow skin pigmentation associated with aging
- Reduces and soothes redness and irritation



Botaniplex™ CLEAR

- Clears spots, pimples and blemishes
- Reduces redness and irritation
- Improves microbiome balance



Botaniplex™ GUARD

- Relieves lip-sore discomfort
- Helps to relieve genital lesions
- Soothes redness, itchiness, and irritation
- Improves microbiome balance

### Quality & Sustainability

Green Mountain Biotech is committed to minimizing its impact on the environment by sustainable sourcing and responsible use of resources. This includes awareness of the importance of plant biodiversity and conservation, and sensitivity to the communities who grow the medicinal herbs. In our own operations, we use manufacturing and packaging materials as efficiently as possible, recycling solvents, and disposing of waste in an environmentally appropriate manner. Botaniplex™ products are COSMOS approved as genuine organic or natural cosmetics produced to the highest feasible sustainability standards.