



Soothing Relief of Occasional Heartburn, Acid Indigestion, and Upset Stomach◆

Ulcinex™

Standardized Chinese Herbal Support for Healthy Stomach Function◆

How Your Patients Will Benefit From Ulcinex:

- Helps to relieve occasional heartburn, acid indigestion, and upset stomach.◆
- Nourishes and protects the mucosal layer of the stomach and duodenum, thus supporting the health and function of this important protective barrier.◆
- Helps to maintain a healthy microbial environment, providing further support for a healthy stomach lining.◆

Comprehensive Stomach Support

Ulcinex, currently used in over 50 healing institutions throughout China to promote stomach and duodenal health, is now available for the first time in the United States. This standardized herbal concentrate is a time-proven formula traditionally used to support and stimulate the stomach's natural protective mechanisms against the potentially harmful effects of gastric acid, unfriendly bacteria, and other irritants. Featuring herbs such as licorice root, corydalis tuber, and bletilla root, Ulcinex assists in the normal growth and maintenance of gastrointestinal tissue, helps settle an upset stomach, relieves occasional heartburn and acid indigestion, acts as a local antispasmodic, and supports healthy digestion.◆

Ultra-Concentrated for Optimal Effectiveness

Through a new method of ultra-concentration with water, the combined benefits of these ingredients are available in an easy to use, high-concentration/low-tablet dose form. A sophisticated biochemical "fingerprint" of key actives in Ulcinex is obtained for each batch and then compared to an established standard. This routine measurement of biological markers is

conducted to ensure reproducibility and consistent performance of the product.

Two Tablets Supply:

A proprietary ultra-concentrate of:1,500 mg
Corydalis Yanhusuo Tuber (*Corydalis yanhusuo*)
Astragalus Root (*Astragalus membranaceus*)
Tienchi Ginseng Root (*Panax pseudoginseng*)
Zhejiang Fritillary Bulb (*Fritillaria thunbergii*)
Chinese Licorice Root (*Glycyrrhiza uralensis*)
Gambir Leaf and Stem (*Uncaria gambir*)
Brown's Lily Bulb (*Lilium brownii*)
Bletilla Root (*Bletilla striata*)
Cuttlefish Shell (*Sepia esculenta*)

Recommendations: Take two tablets three times daily, preferably 20 to 30 minutes before meals.

Form: 90 Tablet Bottle

Stomach Abuse—A Worldwide Pastime

The stomach lining must be protected from the hydrochloric acid (HCl) and enzymes that digest food, or it too can be broken down. When an imbalance occurs between the digestive juices and the various factors that protect the lining of the stomach and



Formula Focus®

duodenum, problems can arise. Unfortunately, the hectic pace of most people's lives often drives them to eat poorly, overindulge, smoke, and drink alcohol—major contributors that aggravate the lining of the stomach. Over time, these stressors can gradually deteriorate the gut protective barrier, making stomach and duodenal tissue vulnerable to damage.

Ultimate Herbal Defense Strategy

In order for pepsin and HCl to cause damage to the stomach or duodenum, the stomach's defense system must be compromised. The mucous layer, which coats the stomach and duodenum, forms the first line of defense against acid and pepsin. This suggests that, rather than neutralizing or inhibiting stomach acid production as the sole method of treating various forms of gastric distress, a preferred approach would be to nourish and protect the mucosal layer of the stomach. *Ulcinex* provides this alternative herbal defense strategy.♦

Corydalis Yanhusuo Tuber (*Yan Hu Suo*)—In traditional Chinese medicine, corydalis is classified as an herb that invigorates circulation, moves *qi*, and influences the liver channel (meridian). Corydalis contains numerous alkaloids, active compounds that impart relaxing, or anti-spasmodic, benefits. Additionally, dehydrocorydaline may help to maintain normal gastric secretions, thereby supporting the regeneration of the mucosal layer. Corydalis may also help to maintain a healthy microecology in the stomach by virtue of its isoquinoline alkaloids content.♦

Astragalus Root (*Huang Qi*)—Traditionally regarded as a potent tonic for increasing energy levels, astragalus has also been employed to help maintain healthy blood flow. In addition, astragalus helps to strengthen digestion, enhance the immune system, and promote normal adrenal cortical function. Astragalus contains numerous components, including flavonoids, polysaccharides, triterpene glycosides, amino acids, and trace minerals.♦

Tienchi Ginseng Root (*San Qi*)—In Chinese medicine, this herb is a favorite remedy for maintaining normal blood hemostasis. It's also occasionally used for helping to maintain a healthy intestinal system and it may have a protective effect on the gastric mucosa. The mechanism is related to its saponin content, which inhibits phospholipase A2 activity and lowers the free calcium concentration in neutrophils.♦

Zhejiang Fritillary Bulb (*Bei Mu*)—This herb traditionally clears

away heat and has an affinity for the heart and lung channels. It has a mildly cold and demulcent (moistening) property, which, according to traditional Chinese medicine, is soothing to mucous membranes.♦

Chinese Licorice Root (*Gan Cao*)—Licorice has been used for over 3,000 years, making it one of the most widely used medicinal herbs in history. Often used as a natural, alternative treatment for occasional heartburn and acid indigestion, licorice does not work by inhibiting acid production, but rather by supporting and stimulating the stomach's natural protective mechanisms. The stomach's primary defense against corrosive gastric acid is a fine layer of mucin, secreted by millions of mucosal cells that line the stomach wall. Licorice has been shown to stimulate both the secretion of mucin and the formation of new mucosal cells, and to help maintain a healthy microecology in the stomach.♦

Licorice root also supports the generation of protective mucilage. Licorice root contains large, highly branched structures that are very hydrophilic and capable of trapping water in their cage-like structures. Because of their gel-like properties, these compounds have protective barrier functions. The mucilage that forms after licorice root ingestion can line the delicate tissues of the stomach and small intestine, thereby offering extra protection against gastric acid and other potential irritants.♦

Gambir Leaf and Stem (*A Xian Yao*)—Gambir has a sweet flavor and a mildly cold property, and is abundant in tannins. When tannins come in contact with mucous membranes, they react with and crosslink proteins in both the mucous and epithelial cells of the mucosa. The mucosa is consequently bound more tightly and rendered less permeable, a process referred to as *astringency*. Astringency affords increased protection to the adjacent layers of the mucosa from microorganisms and other irritants.♦

Brown's Lily Bulb (*Bai He*)—Brown's lily bulb reinforces the moistening properties of the formula, acting to soothe and protect the mucosal lining of the stomach and lungs. Traditionally used to quiet the heart and mind and pacify the spirit, Brown's lily bulb is indicated for occasional irritability, restlessness, and nervousness.♦

Bletilla Root (*Bai Ji*)—Bletilla is abundant in mucilages that can support the healthy regeneration of tissue. Mucilages exert a calming activity on the stomach by acting as a physical barrier



that is closely associated with the mucosal lining. Mucilages may be especially helpful for complaints associated with occasional heartburn and acid indigestion.♦

Sepia (cuttlefish shell) (Wu Zei Gu)—Sepia has a long history of use for occasional stomachache and acid indigestion. In addition to its natural acid-neutralizing effects, sepia may also help to maintain normal homeostasis in the stomach.♦

The Modernization of Traditional Herbal Medicine

Ulcinex represents the next generation of contemporary Chinese herbal formulas that are designed to provide optimal reproducibility and efficacy. Ulcinex marries past empirical knowledge and modern innovations based on current scientific investigations and clinical experience in China. Table 1 provides a detailed overview of the quality control processes that are

utilized to achieve manufacturing excellence.

The following significant and unique features of Ulcinex promote positive clinical outcomes and assure unprecedented confidence in a combination herbal product.♦

Premium Quality Herbs

Ulcinex is prepared with only premium quality, grade A herbs to ensure the presence of the right profile of active constituents essential to providing a finished mixed herbal extract of high biological value. Herbs are chosen according to criteria described in the *Official Chinese Herbal Compendium (OCHC)*. Generated by the Chinese government, the OCHC is similar to the American USP monographs whose purpose is to define excellence in natural materials.

Table 1. Process Summary for the Manufacture of Ulcinex

PROCESS STEP	QUALITY STEP	QUALITY METHOD	STANDARDS ACHIEVED
1. Harvest and dry herbs	Grade herbs	Visual sorting	Grade A per OCHC*
2. Qualify herbs	Speciate herbs	Visual, histological	Grade A per OCHC*
	Analytical testing	Moisture, ash, acid insoluble ash, biological and chemical marker ID, pesticides, heavy metals	Grade A per OCHC*
3. Issue batch specs	Verify herb ratios and lots	Validation	Pharmaceutical
4. Blend herbs	Verify proper herb ratios	Based on biological and chemical markers	Pharmaceutical
5. Extract herbs	Verify proper conditions	Temperature, mixing time, validate that herbs are added	Pharmaceutical
6. Collect liquid extract	Verify physical and chemical properties	Solids, biological and chemical markers, pH, colorimetry	Pharmaceutical
7. Concentrate liquid extract	Verify physical and chemical properties	Solids, biological and chemical markers, pH, colorimetry	Pharmaceutical
8. Dry liquid extract into herb granules	Analytical testing	Moisture, ash, acid insoluble ash, biological and chemical marker ID, heavy metals, pesticides, microbiology	Pharmaceutical
	Chinese government testing	Moisture, ash, acid insoluble ash, biological and chemical marker ID, microbiology	Pharmaceutical
9. Ship granules to U.S.	Chinese Ministry of Health, US Customs, USDA, FDA	Must meet current export regulations Must meet current import regulations	Pharmaceutical Code of Federal Register
10. Receive herbal granules	Validate raw material consistency	Fourier Transform Infrared (FTIR) Spectroscopy	Must match standard
	Analytical testing	Moisture, ash, acid insoluble ash, biological and chemical marker ID, pesticides, heavy metals	Metagenics MetaBotanica® Method
11. Issue batch record	Verify herb granule lot number and dosage	Validation	Pharmaceutical
12. Compress tablets	Spot check physical properties	Disintegration time, weight, thickness, friability	US Pharmacopoeia
13. Cellulose coat tablets	Analytical testing	Disintegration time, weight, thickness, friability, micro	US Pharmacopoeia
14. Package and label	Verify counts per bottle, physical properties of bottle, and microbiology	Visual inspection, microbiology	US Pharmacopoeia and Code of Federal Register

*Official Chinese Herbal Compendium (OCHC), revised 2000 edition.

To compensate for seasonal variations in an herb's chemical profile, every harvest of unprocessed herb is analyzed for specific marker compounds. This enables the manufacturer to adjust the proportion of an herb's contribution to the formula based on the density of important chemical constituents.

Scientifically Validated for Safety and Potency

Safety and toxicity evaluations and phytochemical analyses have been conducted on the individual ingredients as well as the finished product for safety and purity. Thorough testing procedures identify each raw herb and ensure it to be free of adulteration or contamination, including pesticides and heavy metals. Each batch is first tested by the manufacturer and then by the Chinese Ministry of Health laboratory for approval. Finally, the batch is tested in the United States by an independent laboratory before it can be released. Since phytochemical analyses are an integral part of the production process, the potency of the product is guaranteed throughout its entire shelf life.

Biochemical "Fingerprint" and Key Markers

Ulcinex is prepared by first combining all the plants in the formula and processing them together, rather than processing them individually and later combining the separate finished powders. This simultaneous extraction of all of the various plants' biochemical constituents creates a beneficial interaction between the ingredients that is unavailable when processed individually. To ensure batch reproducibility and the product's consistent performance, a sophisticated biochemical "fingerprint" of Ulcinex has been established against which all subsequent batches are routinely tested. This fingerprint is obtained using Fourier Transform Infrared (FTIR) Spectroscopy, which is used to identify the presence, number, and ratio of numerous families of biochemical constituents unique to the finished formula. This means that the patient will get the right mixture of the proper herbs in the correct proportions, to promote a predictable, safe, and beneficial clinical outcome. ♦

Proven Track Record of Safety and Effectiveness

Ulcinex has been used in over 50 healing institutions throughout China for the last ten years, providing a wealth of empirical experience documenting and defining its application as supportive of stomach health. While herb use in traditional Chinese medicine is largely based on classical Eastern diagnostic methods requiring specialized training, Ulcinex is different; it is easy to recommend to your patients based on a Western approach. Rather than diagnosing patterns of underlying energetic and organ system disharmonies, Ulcinex can be recommended to your patients based on the outward manifestation of these disharmonies, particularly as they relate to stomach and digestive function. ♦

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♦These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.