

TECHNICAL MONOGRAPH

PRODUCT NAME: UTP

| CONSTITUENTS: | Common Name | Botanical Name |
|---------------|-----------------------------------|----------------------------|
| | Chamomile | <i>Matricaria recutita</i> |
| | Deglycyrrhizinated licorice (DGL) | <i>Glycyrrhiza species</i> |
| | Marshmallow | <i>Althaea officinalis</i> |
| | Meadowsweet | <i>Filipendula ulmaria</i> |
| | Slippery Elm | |

INTENDED PURPOSE

UTP (Ulcer Therapy Plus) is a unique blend of plants formulated to ease erosion and inflammation from gastric ulcers.

EVIDENCE FOR EFFICACY

- **UTP was tested in 30 thoroughbred racehorses with gastric ulceration. 30 days on UTP caused a clinical significant decline in gastric ulcer score in these horses, as assessed by an independent veterinarian through gastroendoscopy.**
- ***Althaea officinalis* (Marshmallow) is a traditionally used medicinal plant that has an abundance of mucilage within its structure, and particularly in the roots. The bioadhesive and mucilaginous polysaccharides are beneficial for treatment of irritated mucosa and are associated with tissue regeneration as seen by improved cell viability and proliferation of epithelial cells (Deters et al. 2010; Basch et al. 2003).**
- ***Matricaria recutita* (chamomile) has been used as a medicinal herb for centuries. Its dried flowers contain many terpenoids and flavonoids that contribute to alleviating ailments such as hay fever, inflammation, muscle spasms, menstrual disorders, insomnia, ulcers, wounds, gastrointestinal disorders, rheumatic pain, and hemorrhoids (Pinto et al. 2008; Srivastava et al. 2010; Amsterdam et al. 2009). The compound apigenin also exerts anxiolytic and slight sedative effects without being a muscle relaxant (Viola et al. 1995).**
- ***Filipendula ulmaria* (Meadowsweet) contains the anti-pain drug salicin and has traditionally been used to treat inflammation and pain (Drummond et al. 2013). Meadowsweet may have potential to prevent or reduce the severity of gastric ulcers by inhibiting the growth of bacteria (*H. pylori*) that cause ulceration (Cwikla et al. 2010).**
- **Licorice (deglycyrrhizinated licorice) Aqueous extracts from the roots of the licorice plants are widely used for treatment of stomach ulcer. The extract contains saponins that have anti-inflammatory activity and that prevent the adhesion of ulcer-causing bacteria to the stomach lining (Wittschier et al. 2009).**
- ***Ulmus rubra* (Slippery Elm) is a medium-sized tree native to North America, of which the inner bark is dried, powdered and used for medicinal purposes. When mixed with water the ensuing mucilage is rich in compounds that make it suitable as a healing salve for wounds, boils, ulcers, burns, and skin inflammation. The powder can be orally to relieve coughs, sore throats, diarrhea, and may protect against stomach problems such as ulcers and excess acidity. Antioxidants may relieve inflammatory bowel conditions (Na and Hong 2006; Hawrelak and Myers 2010).**

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References

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