

Quality is our Passion
Passion Flower (*Passiflora incarnata*)

Broncafect®: Immune Supporting Cough Formula

Broncafect® is a unique combination of Echinacea root, Licorice root, Pleurisy Root, Ginger rhizome, White Horehound herb and essential oil of Thyme leaf.*

Healthy movement in the respiratory tract

The respiratory tract is kept moist by a layer of mucus that coats the entire surface. It needs to be kept moist, particularly lower in the tract, to allow the exchange of oxygen and carbon dioxide. Mucus is produced by special cells in the mucous membranes. The mucus also traps small particles from the inhaled air, keeping them from reaching further into the lungs. The mucus itself is removed from the passages by the whiplike movement of the cilia (hair-like structures on the cells lining the airways), towards the throat. (The mucus and the entrapped particles are either swallowed or coughed to the exterior.) This normal, healthy, self-cleansing process is also called the mucociliary escalator. The expelled mucus is also called sputum. Coughing is a normal protective reflex that rapidly expels sputum from the larger bronchial tubes.^{1-3*}

How Broncafect® Keeps You Healthy

Supports the body's natural ability to break up respiratory secretions, encourages healthy removal of mucus from the respiratory tract

Pleurisy Root, White Horehound, Licorice and Ginger have all been used traditionally to support healthy bronchial function, thereby helping the body to expel mucus and foreign particles from the bronchial tubes more easily.^{3,4} White Horehound in particular, may do this by helping to soften and break up the mucus.⁴ Of these herbs, Licorice is the best known, with the famous *Gerard Herbal* noting its use for this application in 1597.^{5*}

Supports the body's normal cough reflex

The pungent, warming nature of Ginger and essential oil of Thyme support the normal cough reflex, providing comfort during cold weather and seasonal changes. Ginger is thought to assist in this way by promoting blood circulation, thereby promoting healthy blood flow in the mucosal tissues of the lung.^{3,6} Pleurisy Root is often traditionally combined with Ginger for this purpose, and these herbs may also assist the body in maintaining normal body temperature.^{3,4*}

Due to their action on bronchial function, Pleurisy Root, White Horehound, Licorice and Ginger would also support the body's normal cough reflex,³ particularly Licorice with documented use dating back centuries.⁷ Native Americans used Pleurisy Root, White Horehound and Echinacea root in this way.^{8*}

Supplement Facts

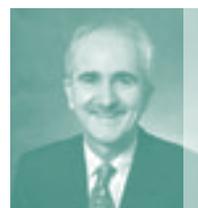
Serving size:	2 tablets	
Servings per container:	15	
Amount per Serving		%DV
Calories	4	
Calcium	80 mg	8%
Licorice root 3.5:1 extract from <i>Glycyrrhiza glabra</i> root 1.5 g	428.6 mg	†
Pleurisy root 4:1 extract from <i>Asclepias tuberosa</i> root 750 mg	187.5 mg	†
Echinacea root 6:1 extract from <i>Echinacea purpurea</i> root 750 mg	125 mg	†
White Horehound herb 4:1 extract from <i>Marrubium vulgare</i> herb 360 mg	90 mg	†
Ginger rhizome 5:1 extract from <i>Zingiber officinale</i> rhizome 360 mg	72 mg	†
Thyme (<i>Thymus vulgaris</i>) essential oil	20 mg	†

† Daily Value (DV) not established.

Other ingredients: Calcium acid phosphate, hypromellose, silica, sodium starch glycolate, magnesium stearate and cellulose.

Caution: Contraindicated in high blood pressure, edema (water retention), congestive heart failure, low blood potassium, pregnancy and lactation. Contraindicated in known allergy to plants of the daisy family.

Product No M1160
Content 30 Tablets



Associate Professor Kerry Bone
MediHerb Co-Founder and
Director of Research and Development

A Phytotherapist's Passion

"Philosopher and teacher Rudolf Steiner once said that, for every human illness, somewhere in the world there exists a plant which is the cure. I believe that there is a healing potential locked inside plants which is integral with their evolution, just as it is part of human evolution to learn to tap this wonderful gift of Nature."

Assists the body's immune response

The root of *Echinacea purpurea* was used by the Native Americans to enhance immune system function.⁸ A placebo-controlled trial found that *Echinacea purpurea* root assists the body's immune response by helping with normal phagocytosis (this involves certain white blood cells that engulf and digest foreign particles).⁹ A practical effect is that top quality Echinacea root helps the immune response following sudden changes in weather.*

Why use top quality Echinacea root?

In the late 19th Century, natural clinicians in the United States noted that "when chewed the root, if of good quality, imparts a persistent tingling sensation"¹⁰ We now know that this tingling sensation is caused by the presence of the plant constituents called alkylamides (pronounced al-kyl-a-mydes). Compared to the aerial parts (flower, leaves, stem), the roots contain the highest amounts of alkylamides.^{11,12} Research conducted by international groups strongly suggests that the alkylamides are very important for the immune system effects of Echinacea.^{13-15*}

What Makes Broncafect® Unique

Broncafect® is unique in the professional herbal products industry because:

- Top quality organically grown and wildcrafted plants are used in the manufacture of the Echinacea, Pleurisy Root and White Horehound components of this tablet
- MediHerb has worked with Echinacea growers to help produce superior quality plants (to ensure high levels of the tingling plant constituents)
- MediHerb helped develop some of the chemical analyses used to regularly test the quantity of alkylamides in Echinacea raw materials
- MediHerb tests the quantity of glycyrrhizin in Licorice raw material
- MediHerb tests the level of pesticides in Echinacea raw material
- MediHerb supports ongoing research and is involved in clinical trials to investigate the effects of Echinacea on the body

Unique Manufacture & Analytical Testing

Quality and safety ensured

- Manufactured in Australia to the high standards of international pharmaceutical Good Manufacturing Practice
- Raw materials and finished product are subjected to tough quality standards, including use of the latest and most relevant chemical analysis methods
- Unique extraction method using cold percolation for the Pleurisy Root, White Horehound and Echinacea components of this tablet (this protects the delicate plant constituents, ensuring a full range of constituents)

References

- 1 Guyton AC, Hall JE. *Textbook of Medical Physiology*, 10th Edn. W.B. Saunders, Philadelphia, 2000.
- 2 Munson PL, Mueller RA, Breese GR (eds). *Principles of Pharmacology: Basic Concepts and Clinical Applications*. New York: Chapman & Hall, 1995.
- 3 Mills S. *The Dictionary of Modern Herbalism*. Thorsons, London, 1989.
- 4 *British Herbal Pharmacopoeia*. BHMA, Bournemouth, 1983.
- 5 Gibson MR. *Lloydia* 1978; **41**(4): 348-354
- 6 Mills SY. *The Essential Book of Herbal Medicine*. Penguin Arkana (Penguin), London, 1991.
- 7 Fiore C, Calo LA, Ragazzi E et al. *J Nephrol* 2004; **17**(2): 337-341
- 8 Moerman DE. *Native American Ethnobotany*. Timber Press, Portland, 1998.
- 9 Jurcic K, Melchart D, Holzmann M et al. *Z Phytother* 1989; **10**: 67-70
- 10 Felter HW, Lloyd JU. *King's American Dispensatory*. 18th Edn, 3rd revision. First published 1905, reprinted Eclectic Medical Publications, Portland, 1983.
- 11 British Herbal Medicine Association. *British Herbal Compendium*, Vol 2. BHMA, Bournemouth, 2006.
- 12 American Herbal Pharmacopoeia. *Echinacea purpurea* Root – *Echinacea purpurea* (L) Moench.: Standards of Analysis, Quality Control, and Therapeutic Monograph. American Herbal Pharmacopoeia, Scotts Valley, 2004.
- 13 Agnew LL, Guffogg SP, Matthias A et al. *J Clin Pharm Ther* 2005; **30**(4): 363-369
- 14 Woelkart K, Xu W, Pei Y et al. *Planta Med* 2005; **71**(8): 701-705
- 15 Gertsch J, Schoop R, Kuenzle U et al. *FEBS Lett* 2004; **577**(3): 563-569



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Quality is our Passion

MediHerb products are developed by experts and leaders in the field of herbal therapy, using scientific evidence and hundreds of years of traditional knowledge.

Kerry Bone and over 20 health care professionals work within MediHerb while still managing their own clinical practices, plus we consult with an advisory board of health care professionals from around the world.

Our products are made using only the highest quality ingredients which are extensively tested for purity and potency. The MediHerb manufacturing plant operates to a strictly regulated pharmaceutical standard and is regularly audited by the Therapeutic Goods Administration (similar to the FDA), the same body that audits conventional pharmaceutical manufacturing facilities. The comprehensive regulations in Australia mean that you receive a safe and effective product that has been manufactured to pharmaceutical standards.

We know from our experience as health care professionals that the quality of a product you take makes a huge difference to the health outcome you experience. We dedicate ourselves to researching and making the best possible products to deliver health solutions that work.



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