

# Natural Support for Stressed Lungs

## FAST FACTS

Respiratory distress and damage caused by lung inflammation, now has a natural solution

Reduces inflammation

Reduces mucus production

Supports fibrolytic macrophages to prevent scarring

Tissue damage repair

Consistent bioactivity and biological effects of both liquid and powder

**Respiratory infections compounded by poor air quality and chronic lung conditions such as asthma and allergies are creating a growing global health concern.<sup>1</sup>**

Pathogens, pollution, and allergens entering the airways can lead to lung inflammation, increasing oxidative stress and damaging the lung tissue. The respiratory immune system can remain stuck in an over-active state, leading to chronic symptoms and damage.

**BerriQi prevents and reduces inflammation at low doses, and reverses damage at high doses.**

### New Zealand BerriQi® for Respiratory Immune Balance

BerriQi consumption has been shown to consistently improve airway inflammation and mucus production in in vivo models of acute inflammation and chronic inflammation. BerriQi consumption has been shown to reverse tissue damage from chronic inflammation.

The unique anthocyanins in Boysenberries prompt the body's natural immune system to restore calm, reduce the influx of inflammatory cells to the lungs, and remove damaged tissue and scar tissue by supporting fibrolytic macrophages - a type of immune cell.<sup>2</sup>

When the potent anthocyanins in Boysenberries are combined with polyphenol rich apples and gently processed in the propriety BerriQi blend, the anti-inflammatory effects are further amplified in symbiotic bioactivity.

Through this unique and potent bioactivity, stretch is restored to constricted lungs, improving capacity for easy deep breathes through clear healthy airways.





### Anagenix Solution — BerriQi®

BerriQi® can be taken daily to help safeguard the respiratory system against the damage caused by inflammation and assist with recovery of the lungs following such exposure.

BerriQi® is available as a liquid concentrate and powder supplement. Both are derived from New Zealand Boysenberries and apples with the following key features:

- Respiratory health ingredient
- Non GMO
- No added sugars or flavours
- GRAS
- Great tasting
- Safe for children, pregnant women, and elderly

### Dosage information for BerriQi®

- BerriQi® at the high dose may prevent and reverse airway remodelling.
- BerriQi® at the low dose may prevent and reduce airway inflammation and overproduction of mucus.

### Nutrition information for BerriQi®

	BerriQi Powder		BerriQi Concentrate	
	Low dose: 650 mg	High dose: 1.6 g	Low dose: 3 g	High dose: 7.4 g
	Average quantity		Average quantity	
<b>Energy</b>	9.8 kJ	24.0 kJ	36.24 kJ	89.4 kJ
<b>Protein</b>	0.0 g	0.1 g	0.041 g	0.1 g
<b>Fat, total</b>	0.0 g	0.0 g	0 g	0 g
<b>Carbohydrate</b>	0.5 g	1.1 g	2.027 g	5 g
<b>Dietary fibre</b>	0.1 g	0.3 g	0 g	0 g
<b>Sugars, total</b>	0.3 g	0.8 g	1.095 g	2.7 g
<b>Sodium</b>	0.3 mg	0.6 mg	0.405 mg	1 mg

Anagenix has an exclusive arrangement with Boysenberries New Zealand (NZ Boysenberries grower-owned co-operative). BerriQi® is patent pending.

### REFERENCES

1. World Health Organisation (WHO). Ambient (outdoor) air quality and health. Fact Sheet No 313. Available at <http://www.who.int/mediacentre/factsheets/fs313/en/>. Last accessed May 2016.
2. Shaw OM, Hurst RD, Harper JL 2016. Boysenberry ingestion supports fibrolytic macrophages with the capacity to ameliorate chronic lung remodeling. *Am. J. Physiol. Lung Cell Mol. Physiol.*

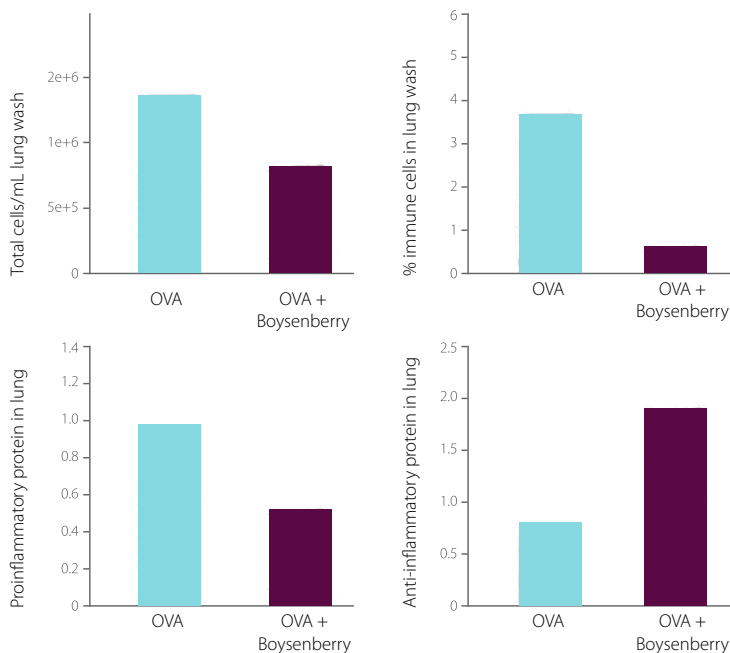


Figure 1: Oral Boysenberry treatment reduces chronic lung inflammation in laboratory in vivo models of exposure to antigen (OVA). Shaw et al (2016) *American Journal of Physiology – Lung Cellular and Molecular Physiology*.<sup>2</sup>

### What is so special about New Zealand Boysenberries?

- New Zealand is the world's largest producer and international marketer of Boysenberries.
- Intensities in summer are at least 37% higher than similar latitudes in the northern hemisphere.
- New Zealand Boysenberries are superior in nutritional characteristics to Chilean Boysenberries with over 20% higher nutritional content for Dietary fibre, Phenolics, Anthocyanins and Antioxidant activity.
- New Zealand-grown Boysenberries have higher polyphenol and antioxidant levels than Boysenberries grown elsewhere, including USA.



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