



A unique blend of Ascorbic Acid, Glutathione, Zinc and Manuka Honey for symptomatic relief of upper respiratory tract infection.

Manuka-C™ is a novel combination of ingredients to support optimal immune system function containing a blend of three ascorbates to be gentle on the stomach. Ascorbic acid and glutathione are essential nutrients for proper immune function.¹⁻³ They ensure effective anti-microbial and anti-inflammatory activity of white blood cells^{2,4} with glutathione aiding the physiological role of ascorbic acid recycling and activity within the cell.⁴⁻⁷ Ascorbic acid together with zinc is also required for wound healing and healthy connective tissue function.^{1,3,8} Manuka honey has been used for centuries in the treatment of infections having anti-microbial and anti-inflammatory activity.⁹⁻¹¹

Key Features and Benefits:

- Provides the optimum dose of ascorbic acid to ensure effective absorption and plasma saturation while minimising excess excretion in urine.¹
- May provide symptomatic relief of upper respiratory tract infections.^{1,7,8}
- May minimise duration and reduce severity of the common cold.^{1,5,9,11}
- Glutathione is required for ascorbic acid function in white blood cells.^{4,6}



FOR PROFESSIONAL USE ONLY

105 g POWDER
ORANGE MANGO FLAVOUR



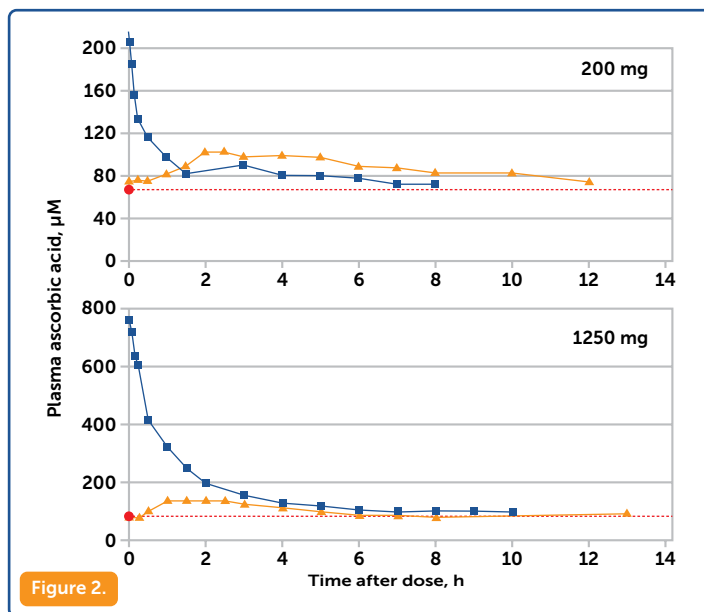
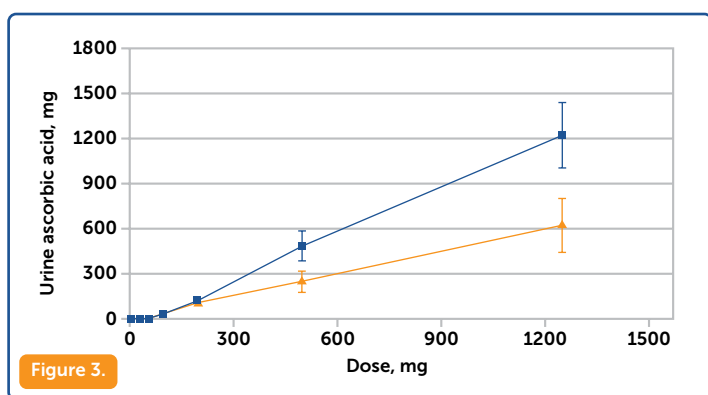
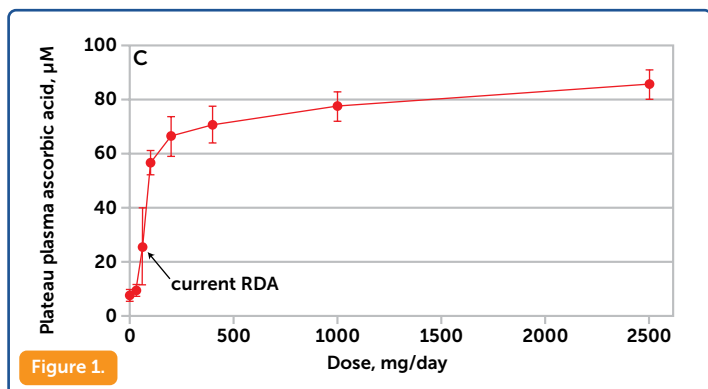


Figure 1. Plasma ascorbic acid concentrations after oral administration. ●
Figure 2. Bioavailability of ascorbic acid (▲) oral dose compared to intravenous (■).: Baseline ascorbic acid.
Figure 3. Ascorbic acid excretion in urine after oral (▲) versus intravenous (■) dose.

Oral administration of ascorbic acid in doses higher than 400 – 500 mg per day does not provide any further therapeutic benefit. Levine et al 1996¹ conducted a pharmacokinetic study and demonstrated that plasma ascorbic acid levels plateau at around 400 – 500 mg per day (see Figure 1); higher doses do not increase plasma ascorbic acid levels any more than smaller doses (see Figure 2) and the concentration of ascorbic acid excreted in urine increases with increasing dose administration (see Figure 3).¹

ACTIVE INGREDIENTS:	Each 5 g dose (1 level teaspoon) contains:
Ascorbic acid	400 mg
Zinc ascorbate	59.4 mg
Equiv. ascorbic acid	50 mg
Equiv. zinc	9.4 mg
Sodium ascorbate	56.6 mg
Equiv. ascorbic acid	50 mg
Total ascorbic acid	500 mg
Honey powder (Manuka honey)	2.5 g
Glutathione (reduced) - Setria®	100 mg
Excipients: Silica, maltodextrin (corn), stevia, tartaric acid, citric acid, effersoda, orange and mango flavour.	

DIRECTIONS OF USE:
 Add 5 g dose (1 level teaspoon) to 200 mL of water and drink immediately, one (1) to two (2) times per day or as directed by your health professional. Always read the label. Use only as directed.

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WARNING: If symptoms persist consult your healthcare practitioner. Not to be used in children under 2 years of age without medical advice. Not suitable for infants under the age of twelve months. Adults only. Not recommended for use by pregnant and lactating women. Vitamin supplements should not replace a balanced diet. Contains sugars.

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