



## Rose C MD™

Precisely formulated antioxidants for: (A) promote de-escalation of hyper-inflammatory stresses while (B) promoting healthier upper respiratory immunity.

Rose C MD – Rose C MD is a very unique, convenient and easy to use formula. The formulas' combined constituents promote regenerative and synergistic effects.<sup>1,2</sup> This formula combines: (a) high levels of rosehips together with (b) effective amounts of Vitamin C as well as (c) the most studied dosage levels of Zinc when (d) taken at 2 per meal (6 per day) alongside Essentials 5 in 1.<sup>3</sup> Rose C MD was designed in January of 2020 to serve the greater immune stresses now widely encountered by our patients.<sup>4\*</sup>

**Rosehips** - Rosehips (*Rosa canina* L.) is rich in vitamin C and beneficial bioflavonoids/polyphenols including anthocyanin, quercetin, catechin, phloridzin, carotenoids (lycopene,  $\beta$ -carotene, zeaxanthin, etc.), polyunsaturated fatty acids, vitamins C, E and B, plus superoxide dismutase requiring minerals manganese and zinc. Not only is rosehips hepatoprotective, but it possesses anti-inflammatory powers similar to indomethacin. This product also supports proper blood sugar levels, promotes healthy weight status, strengthens the immune system and serves as an excellent antioxidant.<sup>5,6,7,8\*</sup>

Short-term – More rapid healing is often observed with bioflavonoid supplementation.<sup>9</sup>

Long-term – Emerging murine studies suggest an oligosaccharide found within rosehips induces regeneration with pancreatic beta-cells. Of further interest is that in elderly humans, thymic function often fails and survival time declines (their life span shortens) due to chronic inflammatory markers such as elevated C-reactive protein.<sup>11</sup> Since rosehips effectuate enormous anti-inflammatory powers, when consumed regularly it contributes to returning C-reactive protein levels within healthy parameters.<sup>12,13</sup> These constituents and functions of rosehips make this phytonutrient important to endocrine health and synergistic to both vitamin c and zinc on many levels, as discussed next.

**Vitamin C** - Vitamin C is a well-known antioxidant. It promotes healthy performance and targeted defensive movement of white blood cells where needed most. Vitamin C contributes to the biosynthesis of oxytocin, vasopressin, cholecystokinin, calcitonin, collagen formation, norepinephrine, carnitine, and DNA methylation.<sup>14</sup> However, recent attention has focused on the combination of vitamin C with other essential nutrients such as

Zinc. Zinc may enhance many of these Vitamin C contributions, namely: zinc binds to oxytocin for enhanced receptor affinity,<sup>15</sup> as well as performs essential functions with Vitamin C in the genesis of collagen and connective tissue repair, as does rosehips.<sup>16,17</sup>

Short-term - Such combinations are obviously synergistic to better support lung tissues undergoing high-stress conditions, and as well promote natural immune defenses<sup>18</sup> which include strengthening epithelial (skin surface) barrier functions. Vitamin C also shows promise in stimulating bone marrow mesenchymal stem cells to properly differentiate.<sup>19,20,21,22,23\*</sup>

Long-term – Over time, consistent supplementation with Vitamin C, through its anti-inflammatory prowess, appears to be strongly correlated to healthy anti-aging effects on our blood vessel integrity.<sup>24\*</sup>

**Zinc** – Zinc is vital to the function of more than 10% of all proteins in our body.<sup>25</sup> Worldwide, about 2 BILLION folks suffer from Zinc deficiency. Zinc is especially essential to healthy enzyme functions involved in the immune system. Zinc is known to immunologists as the “Gatekeeper” to immune function. Skin abnormalities, low endocrine function, mental impairment, growth retardation and imbalanced immune reactions may result from zinc deficiency. But more importantly, zinc deficiency causes significant loss of immune functions, including decreased NK cell activity and lymphopenia. The zinc amount contained in Rose C MD can be particularly important to the respiratory tract of the very young.<sup>26,27,28\*</sup>

Short-term - Zinc,<sup>29,30</sup> rosehips<sup>31,32</sup> and vitamin C<sup>33,34</sup> supplementation appear to be ideal partners to return elevated blood fat and sugar to healthy levels. When the upper respiratory systems of the young experience greater immune

activity, zinc is being more and more recognized to be the key to promoting a quicker and less eventful return to health. <sup>35\*</sup>

Long-term - Zinc supplementation offers significant support to dental and neuronal healing associated with pluripotent stem cells <sup>36,37</sup>

Let us leave you with this to ponder - when the ingredients found in Rose C MD are taken regularly and in sufficient amounts, population studies suggest 'all-cause mortality' may be reduced by about 20%. <sup>38,39,40,41\*</sup>

**Suggested Use:** As a dietary supplement, take 1 teaspoon (5 ml) once or twice daily with food, or as directed by your healthcare practitioner. Shake well before each use."

\*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.

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