ALLQLEAR™
FAST-ACTING SEASONAL SUPPORT

Mast cell stabilization is a part of normal homeostasis. AllQlear fast-acting seasonal support is a proprietary blend of quail egg which contains ovomucoids that act as a tryptase inhibitor, which block the binding of tryptase (and other trypsin homologs) that provide a unique mechanism to support healthy stabilization of mast cells.* Alpha-Glycosyl Isoquercitrin (AGI) provides the benefits of the flavonoid quercetin with better absorption and superior bioavailability. Flavonoids are known to exert stabilizing effects on mast cells.*¹²

• Multi-mechanistic combination featuring AGI, a rapidly absorbed form of quercetin
• Supports healthy mast cell stabilization and eye comfort*
• For seasonal and year-round use
• Berry flavored chewable tablets


*THIS STATEMENT HAS NOT BEEN EVALUATED BY THE FOOD AND DRUG ADMINISTRATION. THIS PRODUCT IS NOT INTENDED TO DIAGNOSE, TREAT, CURE, OR PREVENT ANY DISEASE.
ALLQLEAR™

Background
In 1967, Dr. J.C. Truffier observed that farmers (as well as the families of those farmers) who raised quails (Coturnix coturnix) had experienced support of healthy lung and upper respiratory function.* At the time, Dr. Truffier was supervising over 200 medical specialists. More than 1000 cases were subsequently monitored by specialists, pediatricians and primary care physicians, some in a double-blind, placebo-controlled manner. Support of healthy respiratory function was observed in these early clinical studies.*

Mechanism of Action
In vitro testing has identified the main bioactives in quail egg and the corresponding mechanism of action. These studies suggest that protein fractions contained in the quail egg, specifically ovomucoids and ovo-inhibitors, are the primary constituents active upon respiratory function, acting as serine protease inhibitors.*3–9

The human respiratory system routinely encounters protease enzymes called tryptases that can influence the mediation of immune responses.10 By inhibiting tryptase, quail egg bioactives help support a balanced immune response. A significant body of research has found that glycoprotein bioactives (i.e. quail egg ovomucoids) act as trypsin inhibitors, which block the binding of tryptase (and other trypsin homologs) to protease-activated receptor 2 (PAR2) receptors.* This helps modulate the physiological response, since binding of trypsin to PAR2 receptors on immune cells and neurons affects lung and upper respiratory function. Because tryptase inhibition occurs primarily after the immune response has been initiated, this is considered a downstream mechanism.

Tryptase inhibitors also act upstream of the immune response to tryptase.* Research has demonstrated that trypsin inhibitors help stabilize mast cells.*11 By supporting mast cell integrity, tryptase inhibition helps support respiratory wellness, as has been demonstrated in animal studies.*12,13 These dual mechanisms (inhibition of trypsin binding to PAR2 receptors and stabilization of mast cells) provide a more comprehensive approach to respiratory wellness than what is offered by other supplements.*

AllQlear includes alpha-glycosyl isoquercitrin, a bioavailable form of quercetin which is a flavonoid known to exert stabilizing effects on mast cells and thus support immune function.* Researchers investigated the effects of alpha-glycosyl isoquercitrin on immune response in two similarly designed double-blind studies.14,15 In both studies, subjects took 100 mg alpha-glycosyl isoquercitrin or a placebo for 8 weeks. Subjective measures, activity (ADL) scores and the usage of drugs were recorded daily. Quality of life (QOL) scores were obtained every 4 weeks. In both studies, intake of alpha-glycosyl isoquercitrin proved to be effective for support of ocular comfort.* Nasal airflow was unchanged.

Additional alpha-glycosyl isoquercitrin can be used in combination with AllQlear.

Clinical Efficacy of Quail Egg Preparation
Case studies from physicians in Europe16 and a randomized, double-blind, placebo-controlled clinical trial conducted in the U.S.16 has documented the efficacy of this proprietary quail egg preparation.* For more information, see http://www.ncbi.nlm.nih.gov/pmc/articles.

References
5. Vergnaud S, Bruttmann G. [Effetto inibitorio dell’ovomucoido di uovo di quaglia giallopiùose sull’attività.] La Medicina Biologica (MB) 2007;5–13 [In Italian].

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