What Makes Releaves® Unique?

Releaves®
A non-synthetic whole food dietary supplement that provides natural vitamins and precursors for all animals with suspected hormonal imbalances.

Ingredients: A proprietary blend of sustainable red palm fruit oil enhanced with organic red raspberry leaves and organic red raspberry extract

Empirical results suggest Releaves may have application for:
• Suspected hormonal imbalances in all animals
• Chronic egg-laying in birds and reptiles
• Feather picking behavior with a hormonal cause
• Other reproductive disorders in all animals
• Behavioral problems due to hormonal stress
• Ferret adrenal disease†
• Mammary gland tumors†
• Uterine tumors†
• Cushing’s disease†

Releaves Mode of Action

There is much research on the antioxidant, anti-inflammatory, antimicrobial, antitumor and pro-cardiovascular effects of polyphenols found in raspberries. The ability of the polyphenols to counteract an animal’s hormonal imbalances include the following factors:

• **Ellagic acid** is a breakdown product derived from ellagitannins, which are compounds found in abundance in red raspberries. This metabolite can act as a selective estrogen receptor modulator (SERM). Because there are different types of estrogen receptors (ER alpha and beta), ellagic acid can act as an agonist (ER alpha) in some cells and antagonist (ER beta) in other cells, depending on the distribution of estrogen receptor types in that cell. This is similar to the effects of the drug tamoxifen.

• **There is evidence in mammals that ellagic acid can be further metabolized to urolithins by bacteria in the lower gut, which are more potent ER-binding ligands.**

• **Raspberry ketone**, besides having effects on fat metabolism, can also act as an androgen antagonist.

• **Protocatechuic acid (PCA)** is a bacterial breakdown product in gut microflora of anthocyanin, a polyphenol that is abundant in raspberry extracts. A growing body of evidence supports the concept that PCA can exert a variety of biological effects by acting on different molecular targets. It has been shown that PCA possesses antioxidant and anti-inflammatory as well as antihyperglycemic and neuroprotective activities. Interestingly, PCA was shown to prevent damage to reproductive markers in male rats exposed to tetrachlorodibenzo-p-dioxin (TCDD), an environmental contaminant.

• **Polyphenols in the berry can also act as antagonists of the epidermal growth factor receptor (EGFR).** In chickens (and other animals) activation of this receptor plays a critical role in the supply of follicle cells that are required for further egg development. Berry polyphenols appear to block activation of EGFR, at least in cancer models, so it is possible that this may also happen at the level of the follicle cells and could slow or interrupt a continuous egg-laying situation.

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†Further research being conducted
the combination of ingredients that works synergistically to produce results.


Additional references available upon request.

Each carefully selected ingredient in the HEALx products has beneficial properties and health benefits individually; therefore, references are provided on the various components; however, it is the combination of ingredients that works synergistically to produce results.