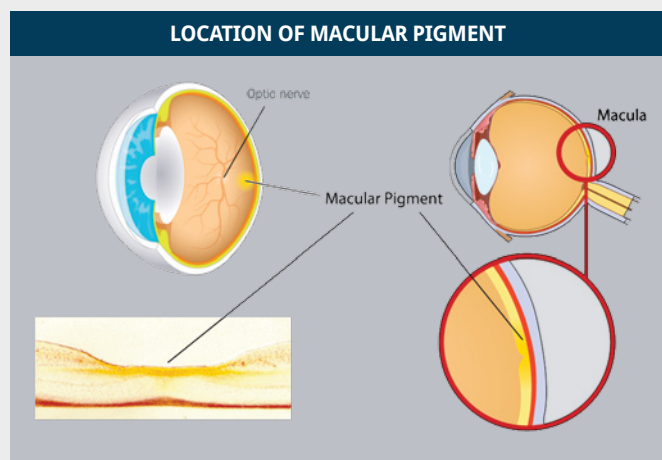


## XanthoSight Improves Visual Performance!



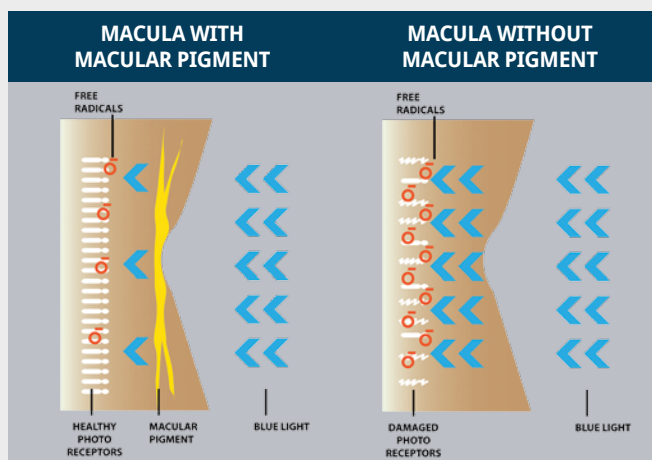
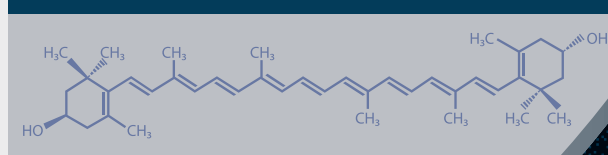
### What is Macular Protective Pigment and why is it so Important?

MPP is composed exclusively of three carotenoids: Lutein, Zeaxanthin, and Meso-Zeaxanthin. The MPP plays an important role in protecting vision as it filters out and absorbs cell damaging blue wavelengths of light. Low levels of MPP can be caused by dietary insufficiency, a lack of ability to convert Lutein into Meso-Zeaxanthin and the aging process. Without a strong MPP, the macula is left defenseless against high-energy blue light and free radicals, thus creating conditions such as hazy vision and glare sensitivity (night vision, bright light recovery time).

### Why is Meso-Zeaxanthin so Important?

Researchers have concluded that Meso-Zeaxanthin is the most potent antioxidant of the three macular carotenoids. MZ is likely obtained through a natural conversion of enzymes from Lutein inside the retina. However, scientists believe that some individuals lack the ability to perform this conversion. In addition, it has not been proven that retinal MZ is derived wholly and solely from retinal Lutein. MZ makes up over 1/3 of the MPP.

#### MESO-ZEAXANTHIN



### Why Supplements?

Since the human body does not naturally manufacture ocular carotenoids, proper nutrition is imperative when it comes to improving macular pigment and protecting against damaging blue light as well as improving visual performance. Unfortunately, even the best and healthiest of diets only provides 3 mg of carotenoid when 20 mg daily is needed to maintain a healthy MPP. For this reason, a supplement with therapeutic doses of MZ is the only practical means of obtaining this nutrient.

"Meso-Zeaxanthin is a critical macular protectant that needs to be replenished."

– Dr. Michael Tolentino, MD

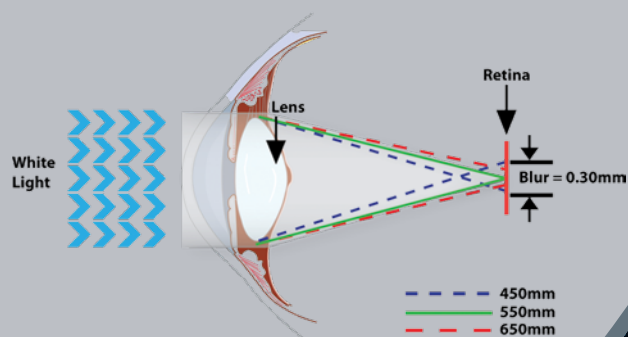
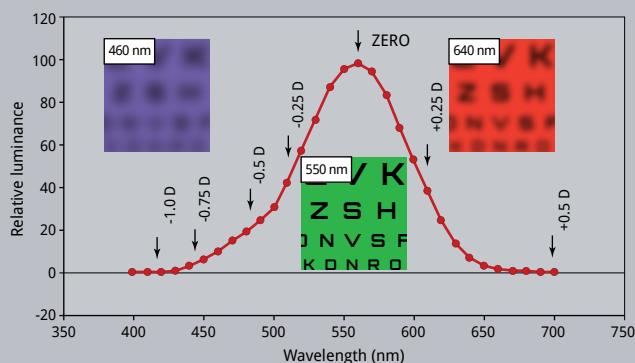
"Given that Meso-Zeaxanthin is a stronger antioxidant than both Lutein and Zeaxanthin, its presence in a supplement is undoubtedly beneficial for maintaining visual performance."

– Professor John Nolan, Principal Investigator of the Macular Pigment Research Group

## VISUAL PERFORMANCE – LIGHT SCATTER



## CHROMATIC ABERRATION



## What is the Source of MZ?

Meso-Zeaxanthin has been identified in foods including salmon, trout, sardines, black bass and shrimp. The source of Meso-Zeaxanthin found in XanthoSight is a derivative of the Marigold flower *Tagetes erecta* L. grown in Mexico.

## Improve Visual Performance!

Some risk factors for macular degeneration are modifiable. Quitting smoking, wearing sunglasses and improving diet can all aid in slowing the progression of advanced macular degeneration. Supplementing with XanthoSight, which has been clinically proven to increase MPP levels in as little as six months, can benefit those simply looking to enhance visual performance. Improving MPP can result in the following:

- Enhanced glare recovery time
- Improved visual processing speed
- Better contrast sensitivity

“You can increase your macular pigment level uniquely, efficiently and at a very high level if you have Meso-Zeaxanthin in the formulation.”

– Professor John Nolan, Principal Investigator of the Macular Pigment Research Group

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