

# LAB NOTES

## Sunscreen application



A study that was published earlier this year in the [Journal of the American Medical Association](#) found that avobenzone, oxybenzone, octocrylene, and ecamsule were being absorbed into test subjects' circulations at plasma concentrations that exceeded the threshold established by the FDA for waiving nonclinical toxicology studies (0.5 ng/mL)<sup>1</sup>.

According to author Murali K. Matta, PhD, "The observed systemic absorption of sunscreen ingredients supports the need for further studies to determine the clinical significance of these findings. These results do not indicate that individuals should refrain from the use of sunscreens."

MAC-MOD has two sunscreen-specific applications listed below. Please read through these applications and [contact us](#) to see how we can help you with any of your sunscreen separations.

### Sunscreen Agents:

[READ NOW](#)

### Analysis of Sunscreens:

[READ NOW](#)

- 1 Matta MK, et al. [Effect of Sunscreen Application Under Maximal Use Conditions on Plasma Concentration of Sunscreen Active Ingredients: A Randomized Clinical Trial](#). JAMA. 2019;321(21):2082-2091.