

NEWS:

UV irradiation-induced methionine oxidation in human skin keratins

A new way for skin oxidation investigation. Starting with strips which were UV irradiated, LC-MS/MS allowed to investigate the main methionine oxidation sites which were then targeted by MRM methods (1). This approach shows the interest of the method for studying oxidation in a targeted or untargeted way for cosmetics .

Of course, it may be used to study other modifications like post-translational modifications (2).

- (1) UV irradiation-induced methionine oxidation in human skin keratins: Mass spectrometry-based non-invasive proteomic analysis. Lee SH and all. 2016.
<http://www.ncbi.nlm.nih.gov/pubmed/26655505>
- (2) Current strategies and findings in clinically relevant post-translational modification-specific proteomics. Pagel O. and all. 2015.
<http://www.ncbi.nlm.nih.gov/pubmed/25955281>

With MS-Phylogene, you can also characterize the oxidation and understand the effects of your anti-oxidant product.

High-resolution nano LC-MS/MS quantitative proteomics and CORAVALID™ data processing: The efficient tool for discovery

High-resolution MRM nano LC-MS/MS quantitative proteomics: The efficient tool for follow-up

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