



VITAMIN C OXIDATION

RESULTS OBTAINED FROM LABORATORY TESTS

In the present experiment, mass spectrometry technology is applied to study the antioxidant effect of Augmented vs Standard NAC. Samples were prepared at a concentration of 350 µg/mL of Augmented and Standard NAC and 5 mg/mL of Vitamin C. The samples were then analyzed by direct injection in different time intervals.

The experimental results are shown in the following table.

Comparison of the degree of oxidation of Vitamin C with Augmented NAC and standard NAC in different time intervals.

TYPE OF NAC	TIME INTERVALS	DEGREE OF OXIDATION OF VITAMIN C %
STANDARD NAC	0	3
	90 min	11
	12 hours	12
	24 hours	14
AUGMENTED NAC	0	2
	90 min	2
	12 hours	2
	24 hours	2