

Supplemental Table 1. Comparison of amino acid contents between control and MNPE-treated horse cyt c. Cyt c that was pretreated with or without MNPE was dialyzed in water and hydrolyzed in 11.5 N HCl at 110 °C for 24 h. Amino acid analysis of the hydrolysate was performed. Relative contents to Ala whose number is 6 in horse cyt c are shown.

Amino acid	Theoretical	Control	1 mM MNPE	5 mM MNPE
Gly	12	13.0	12.7	12.8
Ala	6	6.0	6.0	6.0
Val	3	3.0	3.0	3.1
Leu	6	6.6	6.0	6.2
Ile	6	6.0	6.0	6.1
Phe	4	4.0	3.8	3.9
Ser	0	0	0	0
Thr	10	9.1	8.9	8.9
Tyr	4	3.9	3.8	3.8
Trp	1	0	0	0
Cys ^a	2	0.8	0.9	0.9
Met	2	2.0	1.9	1.9
Lys	19	20.9	20.7	21.4
Arg	2	2.0	2.1	2.1
His	3	3.1	2.9	2.8
Asx ^b	8	8.4	8.2	8.2
Glx ^c	12	9.0	8.7	8.7
Pro	4	3.7	4.1	4.1
Sum	104	101.5	99.7	100.9

^aCys binds covalently to heme in cyt c.

^bSum of Asp and Asn.

^cSum of Glu and Gln.