

Table 1

Table 1. Mercaptalbumin ratio (% of total albumin) after oxidation by heat incubation.

Heat Incubation time (min)	0	15	60
HSA alone	82.0 ± 2.4	75.6 ± 3.1	54.3 ± 3.9
HSA with N-AcTrp	82.0 ± 2.4	77.5 ± 2.6	74.6 ± 2.6**
HSA with CA	82.0 ± 2.4	21.3 ± 5.9*	19.4 ± 8.4**
HSA with CA and N-AcTrp	82.0 ± 2.4	63.9 ± 4.0*	61.0 ± 5.0*

Results are given as means ± SEM ($n = 6$). * $P < 0.05$, ** $P < 0.01$, as compared with HSA alone.

Table 2

Table 2. *S*-nitroso moieties (SNO mol/ mol HSA) after incubation with GS-NO.

GS-NO incubation time (min)	0	1	15	60
HSA alone	0.00 ± 0.00	0.06 ± 0.03	0.12 ± 0.03	0.31 ± 0.03
HSA with N-Ac Trp	0.00 ± 0.00	0.08 ± 0.02	0.13 ± 0.02	0.33 ± 0.06
HSA with CA	0.00 ± 0.00	0.29 ± 0.06**	0.31 ± 0.06**	0.41 ± 0.08**
HSA with CA and N-AcTrp	0.00 ± 0.00	0.42 ± 0.09**	0.45 ± 0.10**	0.51 ± 0.09**
HSA formulation	0.00 ± 0.00	0.35 ± 0.05**	0.41 ± 0.10**	0.45 ± 0.09**

Results are given as means ± SEM ($n = 3-10$). ** $P < 0.01$, as compared with HSA alone.