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Role of organic selenium in resisting oxidative stress during tropical summer in broiler chicken

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Supplementary Table 1. Oxidative stress in hepatic tissues of broilers during heat stress

	21d		42d	
	Control (Autumn)	HS	Control (Autumn)	HS
MDA (nM/g tissue)	594.16±13.61	1087.01**±21.90	443.04±10.37	1178.78**±57.57
Lipid Hydroperoxides (mM/g tissue)	53.8±2.16	82.76**±4.94	35.54±0.73	223.72**±6.21
Protein Carbonyl content (nM /mg protein)	4.42±0.11	9.16**±0.22	2.29±0.06	10.05**±0.34

**Mean±SE, differ significantly from respective controls at P<0.01 and * at P<0.05.

Supplementary Table 2. Antioxidant status in hepatic tissues of broilers during heat stress

	21d		42d	
	Control (Autumn)	HS	Control (Autumn)	HS
SOD (U/mg protein)	2.18±0.088	8.31*±0.075	3.03±0.23	8.19*±0.26
Catalase (U/mg protein)	8.24±0.073	8.59^{NS}±0.20	6.68±0.37	7.84*±0.13
GPX (U/mg protein)	150.36±5.92	534.25*±17.43	305.20±5.65	768.97*±69.3
GST (U/mg protein)	2.37±0.89	18.27*±0.16	6.46±0.16	8.34*±0.07
TAC ($\times 10^{-5}$ mM GSH eq/mg protein)	0.39±0.004	0.54**±0.013	0.48±0.005	0.12*±0.004
Glutathione (µg/mg protein)	37.19±0.32	47.94**±1.30	39.42±1.06	35.29*±0.48
Glucose-6- phosphate dehydrogenase ($\times 10^{-3}$ U/mg protein)	1.32±0.04	3.71*±0.11	1.32±0.05	1.76*±0.04

**Mean±SE, differ significantly from respective controls at P<0.01 and * at P<0.05.