

Supplementary material:

Table 1: Showing that cadmium chloride treatment induced significant elevations of tailed cells, tail length, tail DNA %, tail moments and HSP70 in compare to control group. Synchronized exposure to cadmium chloride and L-Carnitine induce significant reduction in DNA damage and HSP70 in compare to cadmium chloride treated group using comet assay.

Groups	Tailed Cells%		Untailed Cells%		Tail length um		Tail DNA %		Tail Moment		HSP-70 ng/100mg	
	10	56	10	56	10	56	10	56	10	56	10	56
Control	3±1.2	2.8±0.5	97±2.8	97.2±3.9	1.26±0.2	1.38±0.3	1.2±0.2	1.27±0.4	1.54±0.3	1.77±0.1	6.31±2.4	5.68±1.3
L-Carnitine	3.6±1.1	3±0.92	96.4±4.28	97±2.9	1.42±0.4	1.38±0.2	1.34±0.3	1.30±0.2	1.39±0.4	1.62±0.2	6.31±2.4	7.14±2.5
Cad. Cl	15.3 2±47*	22±3.6 *	84.68±3.2 *	78±4.0 *	4.98±0.2 *	7.41±1.42 *	5.17±1.21 *	7.38±1.5 *	29.26±39 *	54.87±5.7 *	27.97±3.7 *	42.11±3.4*
Cad.Cl+L-Carnitine	13.6±4.2*	17±3.5 *	86.4±4.7* *	83±3.5 *	4.37±0.3 *	5.67±1.33 *	4.69±1.0 *	5.53±0.3 *	22.24±2.7 *	31.40±3.5 *	23.93±2.5 *	30.11±3.5*

* Significant at p<0.05.