

538 **Supplemental Table (1):** The actual ZnONPs concentrations (mg/ L) in the exposure water.

Concentrations (mg/ L)	Time (hours)		
	Zero	12	24
1st group	Nd	Nd	Nd
2nd group	1±0.003	0.96±0.003	0.92±0.001
3rd group	2±0.005	1.98±0.006	1.95±0.004
4th group	1±0.003	0.93±0.003	0.90±0.001
5th group	2±0.004	1.96±0.006	1.93±0.004

539 Nd= not detected

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