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| --- | --- | --- | --- | --- | --- | --- |
| **S#** | **TBARS** | **Metal** | **Fumaric Acid (Concentrations)** | | | |
| **1** | **0.5 mM** | **1.0 mM** | **2.0 mM** | **3.0 mM** |
| Iron /0.452 ± 0.007 # | 0.352±0.010 a | 0.267±0.008 b | 0.239±0.005 c | 0.232±0.006 c |
| Lead /0.272±0.006 # | 0.214±0.007 a | 0.181±.005 b | 0.156±0.006 c | 0.141±0.004 d |
| Arsenic/0.538±0.005 # | 0.471±0.006 a | 0.435±.008 b | 0.427±0.008 b | 0.361±0.005 c |
| Mercury /0.530±0.023 # | 0.517±0.006 # | 0.462±0.006 a | 0.361±0.009 b | 0.326±.006 c |
| **2** | **DPPH** | **Control** | **10 uM** | **50 uM** | **100 uM** | **200 uM** |
| 0.2249±0.005 # | 0.19475±0.004 a | 0.18025±0.004 b | 0.1675±0.012 c | 0.1215±0.002 d |
| **3** | **Fe Chelation** | **Control** | **1 mM** | **5 mM** | **10 mM** | **20 mM** |
| 0.256±0.023 # | 0.20975±.006 a | 0.1685±0.003 b | 0.15175±0.007 b | 0.146±0.004 b |

**Table 1: Effect of different metals on lipid peroxidation in phospholipids obtained from egg yolk, DPPH radical scavenging and metal chelation potential of fumaric acid. Data are expressed as means ± SEM (n = 3–4). \*P < 0.05 from respective control by Tukey multiple comparisons test.**