

SUPPLEMENTARY DATA

Comparison of the effect of native 1,4-naphthoquinons plumbagin, menadione and lawsone on viability, redox status and mitochondrial functions of C6 glioblastoma cells

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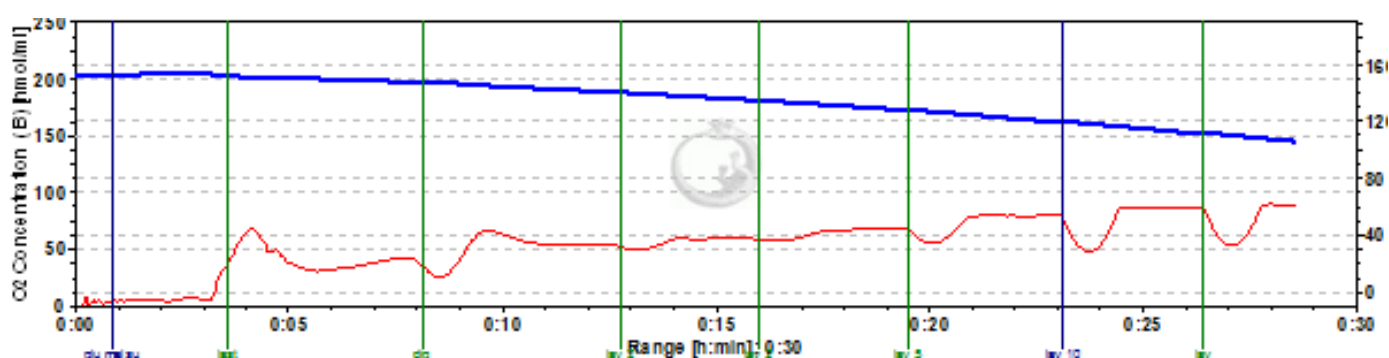


Figure S 1A. Typical traces of measurement of mitochondrial non-phosphorylating respiration rate in C6 cell.

At the beginning respiration rate with 2×10^6 cells/chamber and in the presence of glutamate + malate (5 mM each) and succinate (12 mM) was recorded. Further additions: 10 μ M of digitonin, 10 μ M lawsone, 20 μ M lawsone, 50 μ M lawsone, 100 μ M lawsone. The upper trace (blue) indicates oxygen concentration in a respiratory chamber, the lower (red) one – oxygen consumption rate.

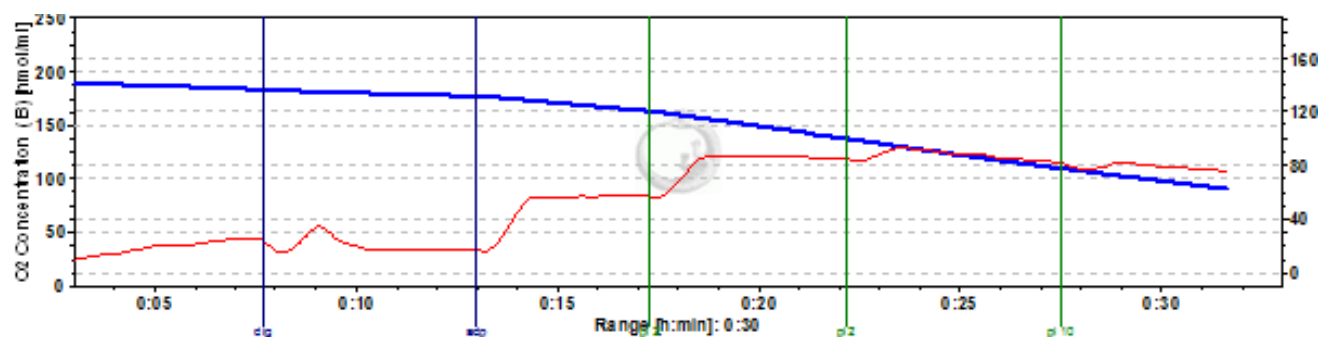


Figure S 1B. Typical traces of measurement of mitochondrial oxidative phosphorylation rate in C6 cell.

At the beginning respiration rate with 2×10^6 cells/chamber and in the presence of glutamate + malate (5 mM each) and succinate (12 mM) was recorded. Further additions: 10 μ M of digitonin, 1 mM of ADP; 2 μ M plumbagin, 2 μ M plumbagin, 10 μ M plumbagin . The upper trace (blue) indicates oxygen concentration in a respiratory chamber, the lower (red) one – oxygen consumption rate.