

Table S2. Analysis of the number of necrotic and apoptotic cells in primary neuronal cultures day after hypoxia modeling

| Group | Number of propidium iodide+ cells, % (necrotic cells) | Number of AnnexinV+ cells, % (apoptotic cells) | Necrotic / apoptotic cells ratio |
|----------------------------|--|---|----------------------------------|
| Sham | 4,65±0,63 | 0,58±0,11 | 8,04±0,12 |
| Hypoxia | 17,31±1,21* | 1,95±0,23* | 14,48±1,29* |
| Hypoxia+solvent | 17,79±1,98* | 1,14±0,21* | 15,6±1,11* |
| Hypoxia+Vitamin D3 0.01 µM | 4,98±0,54# | 0,67±0,12# | 7,38±0,69# |
| Hypoxia+Vitamin D3 0.1 µM | 5,64±0,78# | 0,44±0,10# | 12,9±1,02 |
| Vitamin D3 1 µM | 71,78±2,27*# | 6,11±1,01*# | 11,74±0,98 |

* - versus "Sham", # - versus "Hypoxia", p <0.05, one-way ANOVA and Tukey post hoc test