|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Before UCB (DIV3)** | | | **24 h After UCB Treatment (DIV4)** | | | **96 h After UCB Treatment (DIV7)** | | |
| **Mean±SD (%)** | **95%CI** | **CV (%)** | **Mean±SD (%)** | **95%CI** | **CV (%)** | **Mean±SD (%)** | **95%CI** | **CV (%)** |
| **37°C** | **Control** | 8.3±2.4 | 2.4-14.1 | 28.6 | 14.6±5.6 | 0.6-28.6 | 38.7 | 20.9±3.5 | 12.3-29.4 | 16.6 |
|  | **UCB** | 7.4±2.5 | 1.1-13.7 | 34.2 | 44.2±1.7 | 39.9-48.4 | 3.8 | 47.8±1.7 | 43.7-51.9 | 3.5 |
| **34°C** | **Control** | 9.4±2.5 | 3.1-15.8 | 27.0 | 11.0±2.9 | 3.8-18.1 | 26.2 | 15.0±2.9 | 7.8-22.3 | 19.4 |
|  | **UCB** | 10.3±1.1 | 7.5-13.1 | 11.0 | 29.6±4.4 | 18.6-40.7 | 15.0 | 30.8±4.7 | 19.3-42.4 | 15.1 |
| **32°C** | **Control** | 7.6±1.7 | 3.4-11.9 | 22.4 | 9.2±1.5 | 5.5-12.9 | 16.1 | 11.6±3.7 | 2.5-20.7 | 31.6 |
|  | **UCB** | 8.0±2.5 | 1.9-14.1 | 30.6 | 18.1±0.8 | 16.0-20.1 | 4.6 | 25.9±4.7 | 14.2-37.6 | 18.2 |
| **29°C** | **Control** | 8.3±1.3 | 5.0-11.5 | 15.8 | 11.7±3.4 | 3.1-20.2 | 29.5 | 22.2±6.3 | 6.5-37.8 | 28.5 |
|  | **UCB** | 9.8±2.9 | 2.5-17.0 | 30.0 | 27.6±4.0 | 17.6-37.6 | 14.6 | 38.8±6.0 | 23.8-53.7 | 15.6 |
|  | Neuronal death was determined by PI staining. PI positive neurons were counted and expressed as percentage of total number of neurons in cultures from at least three independent experiments. All values are represented as Mean±Standard Deviation (SD) with relevant confidence intervals (CI) and coefficients of variations (CV). Control cultures underwent the same experimental procedures with the cultures that were exposed to UCB without the addition of UCB. | | | | | | | | | |

**Suppl. Table 1.** Neuronal cell death in all temperature groups indicated by PI staining before and after unconjugated bilirubin (UCB) treatment of the cultures