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| **Effect of carbon monoxide donor CORM-A1 on the expression of activated caspase-3 in porcine oocytes after 24 hrs *in vitro* aging (mean±SEM)** | | | | |
|  | C | 25 µM | 50 µM | 100 µM |
| CAS-3 | 100,00±6,01A | 51,55±6,15B | 59,15±5,88B | 83,48±5,24C |

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| **Effect of carbon monoxide donor CORM-A1 on the expression of activated caspase-3 in porcine oocytes after 48 hrs *in vitro* aging (mean±SEM)** | | | | |
|  | C | 25 µM | 50 µM | 100 µM |
| CAS-3 | 65,63±10,34A | 48,92±4,85B | 42,11±4,53B | 65,00±3,54A |

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| **Effect of carbon monoxide donor CORM-A1 on the expression of activated caspase-3 in porcine oocytes after 72 hrs *in vitro* aging (mean±SEM)** | | | | |
|  | C | 25 µM | 50 µM | 100 µM |
| CAS-3 | 69,03±7,62A | 55,56±5,16B | 46,11±8,72B | 62,41±3,92A |

The effect of carbon monoxide donor CORM-A1 on the expression of activated caspase-3 (CAS-3). . Oocytes were cultivated to metaphase II and then exposed to *in vitro* aging in a modified M199 medium supplemented with CORM-A1 at concentrations 25; 50; 100 μM for 24, 48 or 72 hours. Control group (C) of oocytes were cultivated in medium containing iCORM-A1. The results are presented as the relative ratio to the control group (0 µM CORM-A1) of oocytes aged 24 hours. A,B,C Statistically significant differences in the level of expression of the activated CAS-3 between control group a CORM-A1 groups are indicated with different superscripts (P<0.05). The Measurement of signal intensity was performed on 15 oocytes for each experimental group.