**Culture of preantral ovarian follicles of *Bos taurus indicus* with alpha-lipoic acid**

**Highlights**

* Alpha-lipoic acid (50, 100 or 250 ng/mL) was applied in culture of bovine preantral follicles;
* We evaluated follicular development, morphological integrity, and antioxidant potential;
* 100 ng/mL of alpha-lipoic acid maintained follicular integrity and stability of reactive oxygen species.