**Supporting Information**



**Figure S1** Nuclear maturation stage of bovine oocytes, stained with 2% acetic orcein. The immature oocytes represented by vesicular germ stage (*A*) are characterized by the presence of a membrane around the chromosomes. After 12–15 h of cultivation there is a de-condensation of the group of chromosomes, which are distributed as small dots that together have a circular shape, characterizing metaphase I (*B*). Finally, in metaphase II (*C*), which in bovines can be observed after 18–24 h of cultivation, the chromosomes are also de-condensed, but the presence of polar body (black arrow) can be seen.