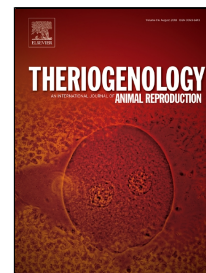


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Embryotrophic effect of a short-term embryo coculture with bovine luteal cells

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1 **Embryotrophic effect of a short-term embryo coculture with bovine luteal**
2 **cells**

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13 **Abstract**

14 The coculture with somatic cells is an alternative to improve suboptimal *in vitro*
15 culture (IVC) conditions and promote embryo development. Several cell types have
16 been used for this purpose, but there is no information about using luteal cells in
17 short-term coculture with embryos. Consequently, this study aimed to assess the
18 effect of a short-term coculture of early bovine embryos-luteal cells on the *in vitro*
19 development and embryo quality. Presumptive embryos were cultured from day 0
20 to day 2 in medium alone (control) or cocultured with bovine luteal cells (BLC-1).
21 Then, embryos from both groups were cultured in medium alone from day 2 to day

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