

Project Title : In vivo development of pig embryo after culture

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### Abstract

A total of 122 pig embryos at one to two-cell-stage was cultivated in Modified Krebs's Ringer solution for 24 hrs. Seventy eight point seven percent (96/122) were developed to four cell stage. Forty four cell-stage embryos after culture were transferred to suitable recipients. The results of pregnancy rate, fetal development rate and normal piglet born rate were 100% (3/3), 42.5% (17/40) and 40% (16/40) compared to 75% (3/4), 46% (29/62) and 35.5% (22/62) in the control group respectively. The birth weight and their development during one to eight weeks were comparable to the control. This experiment showed that the pig embryos can survive until term after spending 24 hrs. in culture medium.