Short communication

**Effects of green tea polyphenol on the quality of canine semen after long-term storage at 5 °C**

Manita Wittayarat, Aya Ito, Taichi Kimura, Zhao Namula, Vien Viet Luu, Lanh Thi Kim Do, Yoko Sato, Masayasu Taniguchi, Takeshige Otoi

**Abstract**

The aim of the present study was to determine the effects of green tea polyphenol on the quality of canine semen after long-term storage at 5 °C. The supplementation of a Tris-egg yolk extender with polyphenol (0.5, 0.75, or 1 mg/mL) increased the motility and viability of sperm preserved for four weeks at 5 °C.

**Keywords**

Anti-oxidant; Dog; Long-term preservation; Sperm quality