

Small Animal Reproduction

Frozen Semen

Collection and freezing canine semen is nowadays a routine procedure that enables storage of genetic material over a long time (decades) and allows for the transport within and between countries. It is a good way to preserve and insure the breeding potential of a genetically worthy dog.

After collection, we examine the semen under the microscope for motility and morphology of the sperm cells and their concentration. If the semen is suitable for a freezing process special semen extenders are added and the semen will be loaded into 0.5 ml straws. By strict following a rigid time and temperature protocol the semen is stepwise frozen in liquid nitrogen to a temperature of -196°C .

After two days one straw will be thawed. Under a microscope the post thaw motility will be assessed which enables us to calculate how much straws will be defined as one insemination dose.