



Made in the USA

# AndroPRO® ChillGuard LT

Culture Medium for Chilled Canine Semen Preservation

## Protocol



13574/0310

**Contains:** Water, sodium citrate, TRIS, glucose, fructose, proprietary factors, and Gentamicin

**Extender Preparation:** Equilibrate the AndroPRO® ChillGuard LT extender to the same temperature of the semen. Example: If fresh semen is at body temperature, bring AndroPRO Chillguard LT extender to body temperature.

**Extend semen:** Use only the sperm-rich fraction of the ejaculate. See Washing instructions below if the sperm-rich fraction is contaminated before final extension. Evaluate semen for concentration and motility. Add AndroPRO ChillGuard LT extender at a ratio of 1 part semen to 3-5 parts extender (higher extension for highly concentrated semen). Store extended semen at 5°C for a minimum of 2 hours prior to packaging for shipment. It is recommended to recheck motility before packaging and shipping to confirm preservation and extender compatibility with semen. Retain a control aliquot from the extended semen for quality control verification.

### Washing

To wash, add 1-3 parts volume of AndroPRO ChillGuard LT extender to 1 part semen (1:3 V/V) and centrifuge at 700 x g for 10-15 minutes. Discard supernatant and slowly re-suspend the semen pellet using a volume of 3-5 parts AndroPRO ChillGuard LT to the initial volume of the sperm-rich fraction based on concentration.

### Insemination

**Vaginal Insemination:** Recommended for fresh or chilled semen. Use a total volume of 2 to 5 ml for dogs < 10 kg, 5 to 10 ml for dogs < 20 kg, and up to 20 ml for dogs >20 kg. If the volume of extended semen is lower than recommended, extend additionally with AndroPro AI (13574/0370). Inseminate slowly using a Mavic catheter (120mm-17500/0052, 250mm-17500/0050, 400mm-17500/0055). Rapid injection may result in significant reflux.

**Uterine Insemination** (transcervical insemination or TCI): Recommended for thawed semen and can also be used for fresh or chilled semen. Use 1-10 ml depending on size of dog and semen concentration. If the volume of extended semen is lower than recommended, extend additionally with AndroPro AI (13574/0370). Inseminate slowly over 2-5 minutes to avoid reflux.

### Storage

Store at +2°C to +8°C. Use aseptic techniques when withdrawing extender from the vial. Do not use past expiration date.

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