10 Year Safety Record for Darvall’s Warm Air Blanket System: Most surface contact warming devices used in anesthetized animals including electric or warm water under blankets and warm air blanket systems with high surface flow designed for humans (e.g. Bair Hugger™ 3M Corp.), are unable to raise body temperature of hypothermic dogs and cats during surgery (Machon et al 1999, Tan et al 2004). Darvall Cocoon™ warm air blankets are designed with a porous patient contact surface resulting in low air flow. Blankets used for cats and dogs during surgery are designed to be positioned around and underneath the animal, enabling the hair-coat to trap rising warm air. In a recent study in dogs 17.3±11 (Mean±SD) kg; 38±22lb anesthetized for surgery, following onset of heating there was an initial 30 to 40 min lag phase, possibly where skin warming occurred. Then there was a consistent increase in the body temperature to near normo-thermia by the end of the surgical procedure (see graph: orange line).

Darvall’s Warm Air System Works
- Safe thermostatically controlled heating to 115°F
- U-Tube under blankets* for surgery use
- Recovery & ICU cage over blankets*
- Cage door adapter* for easy warm air transfer
- Dentistry under blanket* facilitates head access
- Heater runs quietly
- Bacterial ultra-filter & low surface air flow blankets
- Darvall proven to raise body temp. during surgery

Pre-Warming before Anesthesia
Recent research shows that premedicated animals lose 1 - 2°F before anesthesia, then rapidly lose a further 3.5 - 6.5°F in 15 to 30 minutes following induction. Effective pre-anesthesia warming combined with warming inspired gas immediately after intubation can prevent the rapid, critical heat loss from occurring during clip/prep., before animals are draped for surgery.

Darvall’s Warm Air Blanket System safely and effectively warms premedicated animals, delivering warm air at constant, thermostatically controlled temperatures (109.5 - 115°F) without risk of burning. The cage blankets are designed to go over conscious animals. The cage adapter allows the door to open and close properly for patient safety and to prevent damage to the heater hose. The Darvall Warm Air Blanket System is cost-effective because one Vet Cocoon® heater can warm up to 3 single cages or 2 double cages simultaneously. Blankets can be reused between caged animals prior to anesthesia because they have not yet been clipped or prepped for surgery.

Pre-Warming Cats & Small Dogs takes 30 min. - Medium & Large Dogs need 45 min.

References: