Warming Devices

To provide gentle heat (~102F) to an animal. Require a drape, cloth, or paper towel between the animal and the heat source. **AVOID commercial human electric heating pads, and heating lamps.**

Microwavable Heating Pads

Heat conducting devices that must be warmed up within a microwave based on manufacturer's instructions.

These will lose heat over the course of the procedure and over their continued use.

SnuggleSafe Microwave Heat Pad:

https://www.amazon.com/Snuggle-Safe-Pet-Microwave-Heating/dp/B00008AJH9



Mueller Sport Care Reusable Cold/Hot Pack:

https://www.henryschein.com/usen/Shopping/ProductDetails.aspx?productid=1 025294&CatalogName=PRIME&promocode=NP



Homeo-Thermic Heating Pads with Thermostat Control

Pads and blankets with thermal controls to prevent overheating of blanket.

Good for rodents and non-rodents.

K&H Pet Bed Warmer:

Thermostatically controlled to heat to 102F

https://www.khpet.com/pet-bed-warmer.html



Hot Dog:

Adjustable temperature to a reusable pad.

http://vetwarming.com/



Circulating Water Blanket

Function by circulating heated water through a reusable, cleanable mat.

Gaymar TP-700 T/Pump:

Temperature control from 50F-107F.

https://www.braintreesci.com/prodinfo.asp?nu mber=TP-700



Gaymar TP-500 T/Pump:

Temperature control from 85F-107F.

https://www.paragonmed.com/warmsys.shtml



Isothermic Warming Pads

Make use of thermodynamic principle associated with phase change.

The Deltaphase Isothermic Pad (Braintree Scientific, Inc):

The chemicals within the pouch will turn to liquid at 102F but will turn white and solid as the heat is lost back down to room temperature.

https://www.braintreesci.com/products.asp?dept=128



Commercial Insulating Pouches & Surgical Drapes

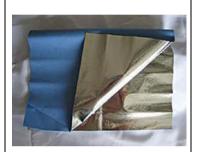
These devices provide heat retention during surgery.

Spacedrapes:

A drape made of material to decrease heat loss and doubles as a sterile drape.

https://www.braintreesci.com/prodinfo.asp?nu mber=SP-

Reflective foil pouch: A pouch that helps retain the animals own body heat around their immediate surrounds.



Forced Air

Best for larger species.

This warming system forces warmed air into a drape (cloth or plastic) to either provide warmth from within the drape or to blow warmed air over the patient.

Bair Hugger:

Have multiple systems that use blankets and radiolucent materials to direct warmed air.

https://www.bairhugger.com/3M/en_US/bairhugger-us/



JorVet Vet Bedjet Warm Air System:

A smaller system geared more for animal species.

https://www.pattersonvet.com/Supplies/ProductFamilyDetails/PIF 625286



IV Fluid Warmers

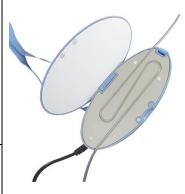
Used to warm the intravenous fluid entering the patient.

To the right are some examples of such devices.

JorVet IV Fluid Warmer:

Small, compact warming device for small volumes.

https://www.pattersonvet.com/ProductItem/078933162



GradyVet:

Allows warming of multiple lines.

https://www.gradymedical.com/gradyvet-9500-fluid-warmer/

Hotline:

Warms fluid along a longer length of the fluid line.

https://www.smithsmedical.com/products/temperaturemanagement/blood-and-fluid-warmingsystems/routine-flow-fluid-warming/hotlineblood-and-fluid-warmer

