









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.**

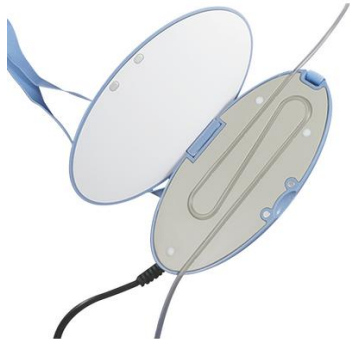
<p><u>Microwavable Heating Pads</u></p> <p>Heat conducting devices that must be warmed up within a microwave based on manufacturer's instructions.</p> <p>These will lose heat over the course of the procedure and over their continued use.</p>	<p>SnuggleSafe Microwave Heat Pad:</p> <p>https://www.amazon.com/Snuggle-Safe-Pet-Microwave-Heating/dp/B00008AJH9</p>	
	<p>Mueller Sport Care Reusable Cold/Hot Pack:</p> <p>https://www.henryschein.com/us-en/Shopping/ProductDetails.aspx?productid=1025294&CatalogName=PRIME&promocode=NP</p>	
<p><u>Homeo-Thermic Heating Pads with Thermostat Control</u></p> <p>Pads and blankets with thermal controls to prevent overheating of blanket.</p> <p>Good for rodents and non-rodents.</p>	<p>K&H Pet Bed Warmer:</p> <p>Thermostatically controlled to heat to 102F</p> <p>https://www.khpet.com/pet-bed-warmer.html</p>	
	<p>Hot Dog:</p> <p>Adjustable temperature to a reusable pad.</p> <p>http://vetwarming.com/</p>	

<p><u>Circulating Water Blanket</u></p> <p>Function by circulating heated water through a reusable, cleanable mat.</p>	<p>Gaymar TP-700 T/Pump:</p> <p>Temperature control from 50F-107F.</p> <p>https://www.braintreesci.com/prodinfo.asp?number=TP-700</p>	
	<p>Gaymar TP-500 T/Pump:</p> <p>Temperature control from 85F-107F.</p> <p>https://www.paragonmed.com/warmsys.shtml</p>	

<p><u>Isothermic Warming Pads</u></p> <p>Make use of thermodynamic principle associated with phase change.</p>	<p>The Deltaphase Isothermic Pad (Braintree Scientific, Inc):</p> <p>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.</p> <p>https://www.braintreesci.com/products.asp?dept=128</p>	
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<p><u>Commercial Insulating Pouches & Surgical Drapes</u></p> <p>These devices provide heat retention during surgery.</p>	<p>Spacedrapes:</p> <p>A drape made of material to decrease heat loss and doubles as a sterile drape.</p> <p>https://www.braintreesci.com/prodinfo.asp?number=SP-</p> <p>Reflective foil pouch: A pouch that helps retain the animals own body heat around their immediate surrounds.</p>	
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<p style="text-align: center;"><u>Forced Air</u></p> <p>Best for larger species.</p> <p>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.</p>	<p>Bair Hugger:</p> <p>Have multiple systems that use blankets and radiolucent materials to direct warmed air.</p> <p>https://www.bairhugger.com/3M/en_US/bair-hugger-us/</p>	
	<p>JorVet Vet Bedjet Warm Air System:</p> <p>A smaller system geared more for animal species.</p> <p>https://www.pattersonvet.com/Supplies/ProductFamilyDetails/PIF_625286</p>	

<p style="text-align: center;"><u>IV Fluid Warmers</u></p> <p>Used to warm the intravenous fluid entering the patient.</p> <p>To the right are some examples of such devices.</p>	<p>JorVet IV Fluid Warmer:</p> <p>Small, compact warming device for small volumes.</p> <p>https://www.pattersonvet.com/ProductItem/078933162</p>	
	<p>GradyVet:</p> <p>Allows warming of multiple lines.</p> <p>https://www.gradymedical.com/gradyvet-9500-fluid-warmer/</p>	
	<p>Hotline:</p> <p>Warms fluid along a longer length of the fluid line.</p> <p>https://www.smiths-medical.com/products/temperature-management/blood-and-fluid-warming-systems/routine-flow-fluid-warming/hotline-blood-and-fluid-warmer</p>	