

## Small Animal Surgical Supplies

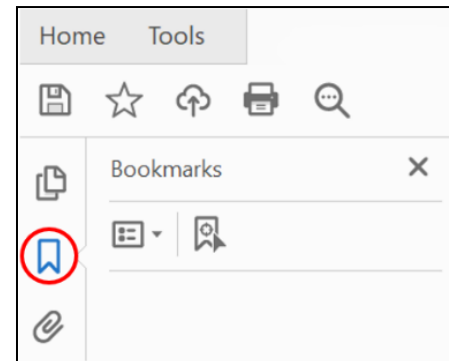
This document contains surgical supplies relevant for use with small animal DSI telemetry. A listing of supplies by device type is provided as well as vendor and part number information. Many of these supplies can be found from other vendors. Additionally, some products are only available in North America and the listing below may be used as a reference to find a suitable alternative in your market. Please note vendor part numbers change on occasion. If you encounter a discrepancy, please contact the vendor for the updated information and please contact DSI to have the discrepancy corrected.

Any supplies that come non-sterile **MUST BE** sterilized prior to using them for any survival surgery.

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## Capital Equipment

Item Name	Vendor	Part Number	Notes
<input type="checkbox"/> Anesthesia machine	Surgivet <a href="http://www.surgivet.com">www.surgivet.com</a>	V703001	<ul style="list-style-type: none"> <li>• 6 station machine</li> <li>• Various sizes available</li> </ul>
<input type="checkbox"/> Anesthesia system - Tabletop	Harvard Apparatus <a href="http://www.harvardapparatus.com">www.harvardapparatus.com</a>	75-0232	<ul style="list-style-type: none"> <li>• Contains all supplies necessary for an active scavenging system (with MiniVac)</li> <li>• Can add/subtract items as needed</li> </ul>
		With induction box: 75-0233	
<input type="checkbox"/> Head lamp	Roboz Surgical Instrument Company <a href="http://www.roboz.com">www.roboz.com</a>	ML-605	<ul style="list-style-type: none"> <li>• Necessary to illuminate surgical field for intra-thoracic procedures</li> </ul>
<input type="checkbox"/> Heating pad - Homeothermic monitoring system	Harvard Apparatus <a href="http://www.harvardapparatus.com">www.harvardapparatus.com</a>	55-7020	<ul style="list-style-type: none"> <li>• Keep animal warm during surgery</li> <li>• Ideal for smaller workspaces</li> <li>• Fits into a standard stereotaxic frame</li> </ul>
<input type="checkbox"/> Heating pad - Water circulating	Braintree Scientific, Inc. <a href="http://www.braintreesci.com">www.braintreesci.com</a>	TP-D 26E	<ul style="list-style-type: none"> <li>• Various sizes available</li> <li>• T/pump purchased separately (part number TP-700)</li> </ul>
<input type="checkbox"/> Hot bead sterilizer	World Precision Instruments <a href="http://www.wpiinc.com">www.wpiinc.com</a>	150g: ST5191	<ul style="list-style-type: none"> <li>• Adjustable temperature control up to 300-degrees Celsius</li> <li>• Tabletop sterilizer for instruments</li> </ul>
		300g: ST5193	
<input type="checkbox"/> Instrument tray	Pearson Dental <a href="http://www.pearsondental.com">www.pearsondental.com</a>	P20-0349	<ul style="list-style-type: none"> <li>• Use for cold sterilization of instruments</li> </ul>
<input type="checkbox"/> MiniVac Gas Evacuation Unit	Harvard Apparatus <a href="http://www.harvardapparatus.com">www.harvardapparatus.com</a>	73-4910	<ul style="list-style-type: none"> <li>• Actively and efficiently scavenges excess anesthetic gases</li> <li>• Need to purchase adapters for scavenger canisters separately</li> </ul>
<input type="checkbox"/> Surgical bench	Production Automatic Corporation <a href="http://www.gotopac.com">www.gotopac.com</a>	Customizable	
<input type="checkbox"/> Surgical chair	Production Automatic Corporation <a href="http://www.gotopac.com">www.gotopac.com</a>	ERGO 2F 200 TILT FR	<ul style="list-style-type: none"> <li>• Built with urethane casters</li> </ul>
<input type="checkbox"/> Surgical loupes, 5.0x	Carl Zeiss <a href="http://www.zeiss.com">www.zeiss.com</a>	Various	<ul style="list-style-type: none"> <li>• Necessary to visualize the surgical field for intra-thoracic procedures</li> </ul>

Item Name	Vendor	Part Number	Notes
<input type="checkbox"/> Surgical microscope	North Central Instruments <a href="http://www.ncimicro.com">www.ncimicro.com</a>	M60	<ul style="list-style-type: none"> <li>Contact a sales representative to discuss the most appropriate configuration</li> </ul>
	World Precision Instruments <a href="http://www.wpiinc.com">www.wpiinc.com</a>	PZMTIV-BS	<ul style="list-style-type: none"> <li>Cheaper alternative to Leica M60</li> </ul>
<input type="checkbox"/> Ultrasonic cleaner	Cole Parmer <a href="http://www.coleparmer.com">www.coleparmer.com</a>	EW-08895-43	<ul style="list-style-type: none"> <li>Basket not included</li> <li>Requires cleaning solution</li> </ul>
<input type="checkbox"/> Ventilator (VentElite)	Harvard Apparatus <a href="http://www.harvardapparatus.com">www.harvardapparatus.com</a>	55-7040	<ul style="list-style-type: none"> <li>Required for any open chest procedure</li> <li>Additional accessories to ventilate the animal (e.g. endotracheal tubes or non-intubating nosecone) must be purchased separately</li> </ul>

## Non-Capital Equipment

Item Name	Vendor	Part Number	Notes
<input type="checkbox"/> ECG 3 needle electrodes, 29-gauge	Harvard Apparatus <a href="http://www.harvardapparatus.com">www.harvardapparatus.com</a>	73-5019	<ul style="list-style-type: none"> <li>To monitor and record ECG real-time</li> <li>2mm pins with 30mm multicolored wires</li> <li>Compatible with Harvard Apparatus' Physiological Monitoring System, sold separately</li> </ul>
<input type="checkbox"/> Instrument cleaning brush	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	Nylon: 009908	<ul style="list-style-type: none"> <li>Use to maintain the integrity of the instrument</li> </ul>
		Stainless steel: 071186	
<input type="checkbox"/> Magnet	DSI <a href="http://www.datasci.com">www.datasci.com</a>	370-0034-001	<ul style="list-style-type: none"> <li>Turn device on/off</li> </ul>
<input type="checkbox"/> MiniVac - Scavenger canister	Harvard Apparatus <a href="http://www.harvardapparatus.com">www.harvardapparatus.com</a>	Fluosorber (large): 34-0415	<ul style="list-style-type: none"> <li>Can be used for either passive or active scavenging (with MiniVac)</li> <li>Able to scavenge up to 200g of anesthetic agents, sold as a pack of 6</li> </ul>

Item Name	Vendor	Part Number	Notes
		F/Air (small): 72-1294	<ul style="list-style-type: none"> <li>• Can be used for either passive or active scavenging (with MiniVac)</li> <li>• Able to scavenge up to 50g of anesthetic agents, sold as a pack of 8</li> </ul>
<input type="checkbox"/> MiniVac - Scavenger canister adapter	Harvard Apparatus <a href="http://www.harvardapparatus.com">www.harvardapparatus.com</a>	Large: 73-4911	<ul style="list-style-type: none"> <li>• Allows for charcoal scavenger canisters to be attached to MiniVac system</li> <li>• Large is suitable for Fluosorber brand canisters</li> <li>• Small is suitable for F/Air brand canisters</li> </ul>
		Small: 73-4915	
<input type="checkbox"/> Non-intubating nosecone	Vet Equip <a href="http://www.vetequip.com">www.vetequip.com</a>	921465	<ul style="list-style-type: none"> <li>• Non-intubating option for open chest procedures</li> <li>• Contains orange foam nose cones, Y connector, and rubber bands</li> <li>• May not work with all types of ventilators - check with vendor before purchase</li> </ul>
<input type="checkbox"/> Signal Detector	DSI <a href="http://www.datasci.com">www.datasci.com</a>	370-0140-001	<ul style="list-style-type: none"> <li>• Detects F0 (455 kHz), F1 (8 MHz), and F2 (18 MHz) devices</li> </ul>
<input type="checkbox"/> Surgical clippers	Braintree Scientific, Inc. <a href="http://www.braintreesci.com">www.braintreesci.com</a>	Mice: CLP-41590 P	
		Rats and larger: CLP-9868 14	
<input type="checkbox"/> Surgical clipper blades	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	#30: 022574	<ul style="list-style-type: none"> <li>• Replacement blades for surgical clippers</li> <li>• #30 is suitable for mice</li> <li>• #40 is suitable for rats and larger species</li> </ul>
		#40: 025107	
<input type="checkbox"/> Stereotaxic apparatus	Harvard Apparatus <a href="http://www.harvardapparatus.com">www.harvardapparatus.com</a>	Single: 75-1826	<ul style="list-style-type: none"> <li>• Supports and steadies the head</li> </ul>
		Dual: 75-1827	
<input type="checkbox"/> Stereotaxic nosecone	Harvard Apparatus <a href="http://www.harvardapparatus.com">www.harvardapparatus.com</a>	Mouse: 73-5011	<ul style="list-style-type: none"> <li>• Non-intubating option for stereotaxic surgeries</li> </ul>

Item Name	Vendor	Part Number	Notes
		Rat: 73-4922	<ul style="list-style-type: none"> <li>• Contains a nose clamp to minimize head movement</li> <li>• May not work with all types of stereotaxic apparatuses – contact a sales representative before purchase to determine the best option for you</li> </ul>

## Disposable Supplies

### Mouse BP/ECG (HD-X10, HD-X11)

\* There are many types of suture material that are acceptable for use. Please see DSI's [Rodent Suture Material and Size Recommendations](#) tech note in the [DSI Support Center](#) for more information.

## Instruments and Equipment

Item Name	Quantity		Vendor	Part Number	Notes
	SQ	IP			
<input type="checkbox"/> Forceps - Graefe, curved, with teeth	2	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	11054-10	
<input type="checkbox"/> Forceps - Vessel cannulation	1	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	00608-11	• Use for handling pressure catheters
<input type="checkbox"/> Forceps - Vessel dilator, angled	2	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	00276-13	
<input type="checkbox"/> Hemostats - Crile, straight	1	N/A	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	13004-14	• Use to create SQ pocket for device placement
<input type="checkbox"/> Metal ruler	1	1	McMaster-Carr <a href="http://www.mcmaster.com">www.mcmaster.com</a>	2285A55	• 5 ¾" high accuracy
<input type="checkbox"/> Needle holder - Olsen-Hegar, extra delicate	1	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	12002-12	
<input type="checkbox"/> Regel syringe	1	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	276-0038-001	• Use to regel pressure catheters
<input type="checkbox"/> Scissors - Lexer-baby, straight	2	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	14078-10	
<input type="checkbox"/> Scissors - Mayo	1	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	14040-15	• Use for drape cutting
<input type="checkbox"/> Skin hooks - elastic (small)	2	2	Henry Schein <a href="http://www.henryschein.com">www.henryschein.com</a>	1297141	

Item Name	Quantity		Vendor	Part Number	Notes
	SQ	IP			
<input type="checkbox"/> Small gauge coupler kit	1	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	276-0065-001	<ul style="list-style-type: none"> <li>• Use to couple and/or repair biopotential leads</li> <li>• Requires a crimp tool, sold separately</li> <li>• Please see DSI's <a href="#">Lead Coupler Kit Manual</a> for additional information</li> </ul>
<input type="checkbox"/> Small gauge crimp tool	1	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	276-0019-002	
<input type="checkbox"/> Trocar	1	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	370-0142-001	<ul style="list-style-type: none"> <li>• Can be solid with a sleeve, or hollow</li> <li>• Use to tunnel biopotential leads</li> </ul>
<input type="checkbox"/> Wire cutter	1	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS0883112	<ul style="list-style-type: none"> <li>• Use to cut biopotential leads</li> </ul>
<input type="checkbox"/> Wound clips, stapler, and remover	1	1	Harvard Apparatus <a href="http://www.harvardapparatus.com">www.harvardapparatus.com</a>	52-3748	<ul style="list-style-type: none"> <li>• Can use wound clips and stapler OR suture for skin closure depending on IACUC approval</li> </ul>

## Disposable Supplies

Item Name	Quantity		Vendor	Part Number	Notes
	SQ	IP			
<input type="checkbox"/> Absorbent underpad	1	1	Grainger <a href="http://www.grainger.com">www.grainger.com</a>	45FG81	<ul style="list-style-type: none"> <li>• Place under animal to absorb fluids, can be cut to size</li> </ul>
<input type="checkbox"/> Cotton-tipped applicators	2/pk	2/pk	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	034598	
<input type="checkbox"/> Drape	2	2	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	010408	<ul style="list-style-type: none"> <li>• Can be cut to size and sterilized</li> </ul>
<input type="checkbox"/> Gauze - 2x2" (5x5cm)	1	1	McKesson <a href="http://mms.mckesson.com">mms.mckesson.com</a>	529380	
<input type="checkbox"/> Needle - 18g	N/A	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	000238	<ul style="list-style-type: none"> <li>• Use to exteriorize biopotential leads</li> </ul>



Item Name	Quantity		Vendor	Part Number	Notes
	SQ	IP			
<input type="checkbox"/> Needle - 25g	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	000224	<ul style="list-style-type: none"> <li>Use as catheter introducer into the carotid artery</li> </ul>
<input type="checkbox"/> Scalpel blade - #22	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	019741	<ul style="list-style-type: none"> <li>Blade only</li> <li>Use to remove silicone tubing from leads</li> </ul>
<input type="checkbox"/> Specimen cup	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	002078	<ul style="list-style-type: none"> <li>Use for sterile saline</li> </ul>
<input type="checkbox"/> Suture - 5-0 non-absorbable with a taper needle	1	1	Various	Various	<ul style="list-style-type: none"> <li>Use for abdominal or neck closure and tacking leads</li> </ul>
<input type="checkbox"/> Suture - 5-0 silk (no needle)	1	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	18020-50	<ul style="list-style-type: none"> <li>Non-sterile, cut to 18" and sterilize before use in surgery</li> </ul>
<input type="checkbox"/> Syringe - 1cc	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	040847	
<input type="checkbox"/> Syringe - 3cc	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	040848	
<input type="checkbox"/> Syringe - Insulin	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	019336	<ul style="list-style-type: none"> <li>Use to apply topical analgesic</li> </ul>
<input type="checkbox"/> Tape	1	1	McKesson <a href="http://mms.mckesson.com">mms.mckesson.com</a>	½": 1527-0	<ul style="list-style-type: none"> <li>Use to secure animal to workstation</li> </ul>
				1": 1527-1	

## Rat BP/ECG (HD-S10, HD-S11)

\* There are many types of suture material that are acceptable for use. Please see DSI's [Rodent Suture Material and Size Recommendations](#) tech note in the [DSI Support Center](#) for more information.

### Instruments and Equipment

Item Name	Quantity	Vendor	Part Number	Notes
<input type="checkbox"/> Forceps - Graefe, curved, with teeth	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	11054-10	
<input type="checkbox"/> Forceps - Vessel cannulation	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	00608-11	• Use for handling pressure catheters
<input type="checkbox"/> Forceps - Vessel dilator, angled	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	00276-13	
<input type="checkbox"/> Needle holder - Olsen-Hegar, extra delicate	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	12002-12	
<input type="checkbox"/> Needle holder - Olsen-Hegar, heavy	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	12002-14	• Use to occlude vessel for systemic pressure catheter placement
<input type="checkbox"/> Regel syringe	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	276-0038-001	• Use to regel pressure catheters
<input type="checkbox"/> Scissors - Lexer-baby, straight	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	14078-10	
<input type="checkbox"/> Scissors - Mayo	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	14040-15	• Use for drape cutting
<input type="checkbox"/> Skin hooks - elastic (standard)	2	Henry Schein <a href="http://www.henryschein.com">www.henryschein.com</a>	1297140	
<input type="checkbox"/> Standard lead coupler kit	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	276-0031-001	• Use to couple and/or repair biopotential leads • Requires a crimp tool, sold separately • Please see DSI's <a href="#">Lead Coupler Kit Manual</a> for additional information
<input type="checkbox"/> Standard lead crimp tool	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	276-0019-001	

Item Name	Quantity	Vendor	Part Number	Notes
<input type="checkbox"/> Wire cutter	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS0883112	• Use to cut biopotential leads
<input type="checkbox"/> Wound clips, stapler, and remover	1	Harvard Apparatus <a href="http://www.harvardapparatus.com">www.harvardapparatus.com</a>	52-3748	• Can use wound clips and stapler OR suture for skin closure depending on IACUC approval
<input type="checkbox"/> Trocar	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	370-0142-001	• Can be solid with a sleeve, or hollow • Use to tunnel biopotential leads

## Disposable Supplies

Item Name	Quantity	Vendor	Part Number	Notes
<input type="checkbox"/> Absorbent underpad	1	Grainger <a href="http://www.grainger.com">www.grainger.com</a>	45FG81	• Place under animal to absorb fluids, can be cut to size
<input type="checkbox"/> Fiber patch	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	370-0036-001	• Encourages connective tissue growth • Helps keep blood pressure catheter in place in rats (aorta)
<input type="checkbox"/> Cotton-tipped applicators	20/pk	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	003262	• Non-sterile, pack and sterilize before use in surgery
<input type="checkbox"/> Drape	2	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	010408	• Can be cut to size and sterilized
<input type="checkbox"/> Gauze - 2x2" (5x5cm)	1	McKesson <a href="http://mms.mckesson.com">mms.mckesson.com</a>	529380	
<input type="checkbox"/> Gauze - 4x4" (10x10cm)	1	McKesson <a href="http://mms.mckesson.com">mms.mckesson.com</a>	401590	
<input type="checkbox"/> Needle - 14g	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	002075	• Use to exteriorize ECG leads
<input type="checkbox"/> Needle - 20g	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	000234	• Use to place leads
<input type="checkbox"/> Needle - 22g	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	000224	• Use as catheter introducer into the aorta
<input type="checkbox"/> Pipette tips	2	Fisher Scientific <a href="http://www.fishersci.com">www.fishersci.com</a>	02-707-83	• For applying Vetbond™

Item Name	Quantity	Vendor	Part Number	Notes
<input type="checkbox"/> Scalpel blade - #22	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	019741	• Blade only
<input type="checkbox"/> Specimen cup	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	002078	• Use for sterile saline
<input type="checkbox"/> Suture - 4-0 non-absorbable braided on a taper needle	1	Various	Various	• Use for abdominal closure and tacking leads
<input type="checkbox"/> Suture - 5-0 absorbable monofilament on a cutting needle	1	Various	Various	• Use for intradermal skin closure (if not using wound clips)
<input type="checkbox"/> Suture - 5-0 silk (no needle)	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	18020-50	• Non-sterile, cut to 16" and sterilize before use in surgery
<input type="checkbox"/> Syringe - 1cc	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	040847	
<input type="checkbox"/> Syringe - 10cc	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	010349	
<input type="checkbox"/> Syringe - Insulin	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	019336	• Use to apply topical analgesic
<input type="checkbox"/> Tape	1	McKesson <a href="http://mms.mckesson.com">mms.mckesson.com</a>	½": 1527-0	• Use to secure animal to workstation
			1": 1527-1	
<input type="checkbox"/> Vetbond™	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	370-0005-001	• Use to secure pressure catheter in place

## Mouse ECG (ETA-F10)

\* There are many types of suture material that are acceptable for use. Please see DSI's [Rodent Suture Material and Size Recommendations](#) tech note in the [DSI Support Center](#) for more information.

## Instruments and Equipment

Item Name	Quantity		Vendor	Part Number	Notes
	SQ	IP			
<input type="checkbox"/> Forceps - Graefe, curved, with teeth	2	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	11054-10	
<input type="checkbox"/> Forceps - Vessel dilator, angled	2	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	00276-13	
<input type="checkbox"/> Hemostats - Crile, straight	1	N/A	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	13004-14	<ul style="list-style-type: none"> <li>• Use to create SQ pocket for device placement</li> </ul>
<input type="checkbox"/> Scissors - Lexer-baby, straight	2	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	14078-10	
<input type="checkbox"/> Scissors - Mayo	1	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	14040-15	<ul style="list-style-type: none"> <li>• Use for drape cutting</li> </ul>
<input type="checkbox"/> Small gauge coupler kit	1	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	276-0065-001	<ul style="list-style-type: none"> <li>• Use to couple and/or repair biopotential leads</li> <li>• Requires a crimp tool, sold separately</li> <li>• Please see DSI's <a href="#">Lead Coupler Kit Manual</a> for additional information</li> </ul>
<input type="checkbox"/> Small gauge crimp tool	1	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	276-0019-002	
<input type="checkbox"/> Trocar	1	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	370-0142-001	<ul style="list-style-type: none"> <li>• Can be solid with a sleeve, or hollow</li> <li>• Use to tunnel biopotential leads</li> </ul>
<input type="checkbox"/> Wire cutter	1	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS0883112	<ul style="list-style-type: none"> <li>• Use to cut biopotential leads</li> </ul>

Item Name	Quantity		Vendor	Part Number	Notes
	SQ	IP			
<input type="checkbox"/> Wound clips, stapler, and remover	N/A	1	Harvard Apparatus <a href="http://www.harvardapparatus.com">www.harvardapparatus.com</a>	52-3748	<ul style="list-style-type: none"> <li>Can use wound clips and stapler OR suture for skin closure depending on IACUC approval</li> </ul>

## Disposable Supplies

Item Name	Quantity		Vendor	Part Number	Notes
	SQ	IP			
<input type="checkbox"/> Absorbent underpad	1	1	Grainger <a href="http://www.grainger.com">www.grainger.com</a>	45FG81	<ul style="list-style-type: none"> <li>Place under animal to absorb fluids, can be cut to size</li> </ul>
<input type="checkbox"/> Cotton-tipped applicators	2/pk	2/pk	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	034598	
<input type="checkbox"/> Drape	2	2	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	010408	<ul style="list-style-type: none"> <li>Can be cut to size and sterilized</li> </ul>
<input type="checkbox"/> Gauze - 2x2" (5x5cm)	1	1	McKesson <a href="http://mms.mckesson.com">mms.mckesson.com</a>	529380	
<input type="checkbox"/> Needle - 18g	N/A	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	000238	<ul style="list-style-type: none"> <li>Use to exteriorize biopotential leads</li> </ul>
<input type="checkbox"/> Scalpel blade - #22	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	019741	<ul style="list-style-type: none"> <li>Blade only</li> <li>Use to remove silicone tubing from leads</li> </ul>
<input type="checkbox"/> Specimen cup	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	002078	<ul style="list-style-type: none"> <li>Use for sterile saline</li> </ul>
<input type="checkbox"/> Suture - 5-0 non-absorbable with a taper needle	1	1	Various	Various	<ul style="list-style-type: none"> <li>Use for abdominal or neck closure and tacking leads</li> </ul>
<input type="checkbox"/> Suture - 5-0 silk (no needle)	1	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	18020-50	<ul style="list-style-type: none"> <li>Non-sterile, cut to 18" and sterilize before use in surgery</li> </ul>
<input type="checkbox"/> Syringe - 3cc	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	040848	
<input type="checkbox"/> Syringe - Insulin	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	019336	<ul style="list-style-type: none"> <li>Use to apply topical analgesic</li> </ul>
<input type="checkbox"/> Tape	1	1	McKesson <a href="http://mms.mckesson.com">mms.mckesson.com</a>	½": 1527-0	<ul style="list-style-type: none"> <li>Use to secure animal to workstation</li> </ul>
				1": 1527-1	

## Rat ECG (CTA-F40)

\* There are many types of suture material that are acceptable for use. Please see DSI's [Rodent Suture Material and Size Recommendations](#) tech note in the [DSI Support Center](#) for more information.

## Instruments and Equipment

Item Name	Quantity		Vendor	Part Number	Notes
	SQ	IP			
<input type="checkbox"/> Forceps - Graefe, curved, with teeth	2	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	11054-10	
<input type="checkbox"/> Forceps - Vessel dilator, angled	2	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	00276-13	
<input type="checkbox"/> Hemostats - Crile, straight	1	N/A	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	13004-14	<ul style="list-style-type: none"> <li>• Use to create SQ pocket for device placement</li> </ul>
<input type="checkbox"/> Scissors - Lexer-baby, straight	2	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	14078-10	
<input type="checkbox"/> Scissors - Mayo	1	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	14040-15	<ul style="list-style-type: none"> <li>• Use for drape cutting</li> </ul>
<input type="checkbox"/> Standard lead coupler kit	1	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	276-0031-001	<ul style="list-style-type: none"> <li>• Use to couple and/or repair biopotential leads</li> <li>• Requires a crimp tool, sold separately</li> <li>• Please see DSI's <a href="#">Lead Coupler Kit Manual</a> for additional information</li> </ul>
<input type="checkbox"/> Standard lead crimp tool	1	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	276-0019-001	
<input type="checkbox"/> Wire cutter	1	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS0883112	<ul style="list-style-type: none"> <li>• Use to cut biopotential leads</li> </ul>
<input type="checkbox"/> Wound clips, stapler, and remover	1	1	Harvard Apparatus <a href="http://www.harvardapparatus.com">www.harvardapparatus.com</a>	52-3748	<ul style="list-style-type: none"> <li>• Can use wound clips and stapler OR suture for skin closure depending on IACUC approval</li> </ul>
<input type="checkbox"/> Trocar	1	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	370-0142-001	<ul style="list-style-type: none"> <li>• Can be solid with a sleeve, or hollow</li> <li>• Use to tunnel biopotential leads</li> </ul>

## Disposable Supplies

Item Name	Quantity		Vendor	Part Number	Notes
	SQ	IP			
<input type="checkbox"/> Absorbent underpad	1	1	Grainger <a href="http://www.grainger.com">www.grainger.com</a>	45FG81	• Place under animal to absorb fluids, can be cut to size
<input type="checkbox"/> Cotton-tipped applicators	2/pk	2/pk	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	034598	
<input type="checkbox"/> Drape	2	2	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	010408	• Can be cut to size and sterilized
<input type="checkbox"/> Gauze - 4x4" (10x10cm)	1	1	McKesson <a href="http://mms.mckesson.com">mms.mckesson.com</a>	401590	
<input type="checkbox"/> Needle - 14g	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	002075	• Use to exteriorize ECG leads
<input type="checkbox"/> Needle - 20g	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	000234	• Use to place leads
<input type="checkbox"/> Scalpel blade - #22	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	019741	• Blade only
<input type="checkbox"/> Specimen cup	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	002078	• Use for sterile saline
<input type="checkbox"/> Suture - 4-0 non-absorbable braided on a taper needle	1	1	Various	Various	• Use for abdominal closure (if IP) and tacking leads
<input type="checkbox"/> Suture - 5-0 absorbable monofilament on a cutting needle	1	1	Various	Various	• Use for intradermal skin closure (if not using wound clips)
<input type="checkbox"/> Suture - 5-0 silk (no needle)	1	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	18020-50	• Non-sterile, cut to 16" and sterilize before use in surgery
<input type="checkbox"/> Syringe - 10cc	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	010349	
<input type="checkbox"/> Syringe - Insulin	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	019336	• Use to apply topical analgesic
<input type="checkbox"/> Tape	1	1	McKesson <a href="http://mms.mckesson.com">mms.mckesson.com</a>	½": 1527-0	• Use to secure animal to workstation
				1": 1527-1	



## Mouse EEG/EMG (F20-EET, HD-X02)

\* There are many types of suture material that are acceptable for use. Please see DSI's [Rodent Suture Material and Size Recommendations](#) tech note in the [DSI Support Center](#) for more information.

### Instruments and Equipment

Item Name	Quantity		Vendor	Part Number	Notes
	SQ	IP			
<input type="checkbox"/> Drill bit	1	1	Protech International, Inc. <a href="http://www.protechp1.com">www.protechp1.com</a>	D60	• Use to bore holes in the skull
<input type="checkbox"/> Drill bit holder	1	1	Protech International, Inc. <a href="http://www.protechp1.com">www.protechp1.com</a>	DH-1	• Hand drill
<input type="checkbox"/> Forceps - Graefe, curved, with teeth	2	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	11054-10	
<input type="checkbox"/> Forceps - Vessel dilator, angled	2	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	00276-13	
<input type="checkbox"/> Hemostats - Crile, straight	1	N/A	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	13004-14	• Use to create the SQ pocket for device placement
<input type="checkbox"/> Metal ruler	1	1	McMaster-Carr <a href="http://www.mcmaster.com">www.mcmaster.com</a>	2285A55	• 5 3/4" high accuracy
<input type="checkbox"/> Needle holder - Olsen-Hegar, extra delicate	1	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	12002-12	
<input type="checkbox"/> Scissors - Lexer-baby, straight	2	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	14078-10	
<input type="checkbox"/> Scissors - Mayo	1	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	14040-15	• Use for drape-cutting
<input type="checkbox"/> Screwdriver (mouse)	1	1	Protech International, Inc. <a href="http://www.protechp1.com">www.protechp1.com</a>	SD-80	
<input type="checkbox"/> Skin hooks - elastic (small)	2	2	Henry Schein <a href="http://www.henryschein.com">www.henryschein.com</a>	1297141	

Item Name	Quantity		Vendor	Part Number	Notes
	SQ	IP			
<input type="checkbox"/> Small gauge multi-color lead coupler kit	1	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	276-0042-001	<ul style="list-style-type: none"> <li>• Use to couple and/or repair biopotential leads</li> <li>• Requires a crimp tool, sold separately</li> <li>• Please see DSI's <a href="#">Lead Coupler Kit Manual</a> for additional information</li> </ul>
<input type="checkbox"/> Small gauge crimp tool	1	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	276-0019-002	
<input type="checkbox"/> Stereotaxic apparatus	1	1	Harvard Apparatus <a href="http://www.harvardapparatus.com">www.harvardapparatus.com</a>	Single Manipulator: 75-1826 Dual Manipulator: 75-1827	<ul style="list-style-type: none"> <li>• Supports and steadies the head</li> </ul>
<input type="checkbox"/> Wire cutter	1	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS0883112	<ul style="list-style-type: none"> <li>• Use to cut biopotential leads</li> </ul>
<input type="checkbox"/> Wound clips, stapler, and remover	1	1	Harvard Apparatus <a href="http://www.harvardapparatus.com">www.harvardapparatus.com</a>	52-3748	<ul style="list-style-type: none"> <li>• Can use wound clips and stapler OR suture for skin closure depending on IACUC approval</li> </ul>

## Disposable Supplies

Item Name	Quantity		Vendor	Part Number	Notes
	SQ	IP			
<input type="checkbox"/> Absorbent underpad	1	1	Grainger <a href="http://www.grainger.com">www.grainger.com</a>	45FG81	<ul style="list-style-type: none"> <li>• Place under animal to absorb fluids, can be cut to size</li> </ul>
<input type="checkbox"/> Cotton-tipped applicators	2/pk	2/pk	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	034598	
<input type="checkbox"/> Dental acrylic - cartridge refill	1	1	Henry Schein Dental <a href="http://www.henryschein.com">www.henryschein.com</a>	2229568	

Item Name	Quantity		Vendor	Part Number	Notes
	SQ	IP			
<input type="checkbox"/> Dental acrylic - kit	1	1	Henry Schein Dental <a href="http://www.henryschein.com">www.henryschein.com</a>	2227850	<ul style="list-style-type: none"> <li>• Contains dental acrylic, applicator, and mixing tips</li> <li>• Refill cartridges and tips sold separately</li> <li>• May require licensure to purchase (DEA, Vet, or similar)</li> </ul>
<input type="checkbox"/> Dental acrylic - mixing tips	2	2	Henry Schein Dental <a href="http://www.henryschein.com">www.henryschein.com</a>	2224922	<ul style="list-style-type: none"> <li>• Autoclavable</li> </ul>
<input type="checkbox"/> Drape	2	2	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	010408	<ul style="list-style-type: none"> <li>• Can be cut to size and sterilized</li> </ul>
<input type="checkbox"/> Gauze - 2x2" (5x5cm)	1	1	McKesson <a href="http://mms.mckesson.com">mms.mckesson.com</a>	529380	
<input type="checkbox"/> Needle - 18g	N/A	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	000238	<ul style="list-style-type: none"> <li>• Use to exteriorize biopotential leads</li> </ul>
<input type="checkbox"/> Needle - 22g	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	034860	<ul style="list-style-type: none"> <li>• Use to place EMG leads</li> </ul>
<input type="checkbox"/> Scalpel blade - #22	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	019741	<ul style="list-style-type: none"> <li>• Blade only</li> <li>• Use to remove silicone tubing from leads</li> </ul>
<input type="checkbox"/> Screws (mouse) - IROX	2-4	2-4	DSI <a href="http://www.datasci.com">www.datasci.com</a>	012011-001	<ul style="list-style-type: none"> <li>• Non-sterile, must be sterilized before surgery</li> <li>• Ideal for frequency measurements below 3 Hz</li> <li>• Please see the <a href="#">Guidelines for the use of EEG Screws with Telemetry</a> article for more information</li> </ul>
<input type="checkbox"/> Screws (mouse) - standard	2-4	2-4	Protech International, Inc. <a href="http://www.protechp1.com">www.protechp1.com</a>	00-96 x 1/16	<ul style="list-style-type: none"> <li>• Non-sterile, must be sterilized before surgery</li> <li>• Shaft length 1.6mm, diameter 1.19mm</li> </ul>
<input type="checkbox"/> Specimen cup	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	002078	<ul style="list-style-type: none"> <li>• Use for sterile saline</li> </ul>
<input type="checkbox"/> Suture - 5-0 non-absorbable monofilament on a taper needle	1	1	Various	Various	<ul style="list-style-type: none"> <li>• Use for head incision closure</li> </ul>

Item Name	Quantity		Vendor	Part Number	Notes
	SQ	IP			
<input type="checkbox"/> Suture - 5-0 silk (no needle)	1	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	18020-50	• Non-sterile, cut to 12" and sterilize before use in surgery
<input type="checkbox"/> Syringe - 3cc	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	040848	
<input type="checkbox"/> Syringe - Insulin	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	019336	• Use to apply topical analgesic
<input type="checkbox"/> Tape	1	1	McKesson <a href="http://mms.mckesson.com">mms.mckesson.com</a>	½": 1527-0	• Use to secure animal to workstation
				1": 1527-1	

## Rat EEG/EMG (HD-S02)

\* There are many types of suture material that are acceptable for use. Please see DSI's [Rodent Suture Material and Size Recommendations](#) tech note in the [DSI Support Center](#) for more information.

### Instruments and Equipment

Item Name	Quantity		Vendor	Part Number	Notes
	SQ	IP			
<input type="checkbox"/> Drill bit	1	1	Protech International, Inc. <a href="http://www.protechp1.com">www.protechp1.com</a>	D56	• Use to bore holes in the skull
<input type="checkbox"/> Drill bit holder	1	1	Protech International, Inc. <a href="http://www.protechp1.com">www.protechp1.com</a>	DH-1	• Hand drill
<input type="checkbox"/> Forceps - Graefe, curved, with teeth	2	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	11054-10	
<input type="checkbox"/> Forceps - Vessel dilator, angled	2	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	00276-13	
<input type="checkbox"/> Hemostats - Crile, straight	1	N/A	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	13004-14	• Use to create the SQ pocket for device placement
<input type="checkbox"/> Metal ruler	1	1	McMaster-Carr <a href="http://www.mcmaster.com">www.mcmaster.com</a>	2285A55	• 5 3/4" high accuracy
<input type="checkbox"/> Needle holder - Olsen-Hegar, extra delicate	1	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	12002-12	
<input type="checkbox"/> Scissors - Lexer-baby, straight	1	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	14078-10	
<input type="checkbox"/> Scissors - Mayo	1	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	14040-15	• Use for drape-cutting
<input type="checkbox"/> Screwdriver (rat)	1	1	Protech International, Inc. <a href="http://www.protechp1.com">www.protechp1.com</a>	SD-80	
<input type="checkbox"/> Skin hooks - elastic (small)	2	2	Henry Schein <a href="http://www.henryschein.com">www.henryschein.com</a>	1297141	

Item Name	Quantity		Vendor	Part Number	Notes
	SQ	IP			
<input type="checkbox"/> Small gauge multi-color lead coupler kit	1	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	276-0042-001	<ul style="list-style-type: none"> <li>• Use to couple and/or repair biopotential leads</li> <li>• Requires a crimp tool, sold separately</li> <li>• Please see DSI's <a href="#">Lead Coupler Kit Manual</a> for additional information</li> </ul>
<input type="checkbox"/> Small gauge crimp tool	1	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	276-0019-002	
<input type="checkbox"/> Stereotaxic apparatus	1	1	Harvard Apparatus <a href="http://www.harvardapparatus.com">www.harvardapparatus.com</a>	Single Manipulator: 75-1826 Dual Manipulator: 75-1827	<ul style="list-style-type: none"> <li>• Supports and steadies the head</li> </ul>
<input type="checkbox"/> Wire cutter	1	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS0883112	<ul style="list-style-type: none"> <li>• Use to cut biopotential leads</li> </ul>
<input type="checkbox"/> Wound clips, stapler, and remover	1	1	Harvard Apparatus <a href="http://www.harvardapparatus.com">www.harvardapparatus.com</a>	52-3748	<ul style="list-style-type: none"> <li>• Can use wound clips and stapler OR suture for skin closure depending on IACUC approval</li> </ul>

## Disposable Supplies

Item Name	Quantity		Vendor	Part Number	Notes
	SQ	IP			
<input type="checkbox"/> Absorbent underpad	1	1	Grainger <a href="http://www.grainger.com">www.grainger.com</a>	45FG81	<ul style="list-style-type: none"> <li>• Place under animal to absorb fluids, can be cut to size</li> </ul>
<input type="checkbox"/> Cotton-tipped applicators	20/pk	20/pk	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	003262	<ul style="list-style-type: none"> <li>• Non-sterile, pack and sterilize before use in surgery</li> </ul>
<input type="checkbox"/> Dental acrylic - cartridge refill	1	1	Henry Schein Dental <a href="http://www.henryschein.com">www.henryschein.com</a>	2229568	

Item Name	Quantity		Vendor	Part Number	Notes
	SQ	IP			
<input type="checkbox"/> Dental acrylic - kit	1	1	Henry Schein Dental <a href="http://www.henryschein.com">www.henryschein.com</a>	2227850	<ul style="list-style-type: none"> <li>• Contains dental acrylic, applicator, and mixing tips</li> <li>• Refill cartridges and tips sold separately</li> <li>• May require licensure to purchase (DEA, Vet, or similar)</li> </ul>
<input type="checkbox"/> Dental acrylic - mixing tips	2	2	Henry Schein Dental <a href="http://www.henryschein.com">www.henryschein.com</a>	2224922	<ul style="list-style-type: none"> <li>• Autoclavable</li> </ul>
<input type="checkbox"/> Drape	2	2	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	010408	<ul style="list-style-type: none"> <li>• Can be cut to size and sterilized</li> </ul>
<input type="checkbox"/> Gauze - 4x4" (10x10cm)	1	1	McKesson <a href="http://mms.mckesson.com">mms.mckesson.com</a>	401590	
<input type="checkbox"/> Needle - 14g	N/A	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	002075	<ul style="list-style-type: none"> <li>• Use to exteriorize biopotential leads</li> </ul>
<input type="checkbox"/> Needle - 22g	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	034860	<ul style="list-style-type: none"> <li>• Use to place EMG leads</li> </ul>
<input type="checkbox"/> Scalpel blade - #22	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	019741	<ul style="list-style-type: none"> <li>• Blade only</li> </ul>
<input type="checkbox"/> Screws (rat) - IROX	1	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	012012-001	<ul style="list-style-type: none"> <li>• Non-sterile, must be sterilized before surgery</li> <li>• Ideal for frequency measurements below 3 Hz</li> <li>• Please see the <a href="#">Guidelines for the use of EEG Screws with Telemetry</a> article for more information</li> </ul>
<input type="checkbox"/> Screws (rat) - standard	1	1	Protech International, Inc. <a href="http://www.protechp1.com">www.protechp1.com</a>	0-80 x 1/16	<ul style="list-style-type: none"> <li>• Non-sterile, must be sterilized before surgery</li> <li>• 1.57mm shaft diameter, 1.6mm shaft length</li> </ul>
<input type="checkbox"/> Specimen cup	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	002078	<ul style="list-style-type: none"> <li>• Use for sterile saline</li> </ul>
<input type="checkbox"/> Suture - 4-0 absorbable monofilament or braided on a taper needle	1	N/A	Various	Various	<ul style="list-style-type: none"> <li>• For SQ pocket closure</li> </ul>

Item Name	Quantity		Vendor	Part Number	Notes
	SQ	IP			
<input type="checkbox"/> Suture - 4-0 non-absorbable braided on a taper needle	N/A	1	Various	Various	• For abdominal closure
<input type="checkbox"/> Suture - 5-0 non-absorbable monofilament on a cutting needle	1	1	Various	Various	• For head incision closure
<input type="checkbox"/> Suture - 5-0 silk (no needle)	1	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	18020-50	• Non-sterile, cut to 12" and sterilize before use in surgery
<input type="checkbox"/> Syringe - 10cc	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	010349	
<input type="checkbox"/> Syringe - Insulin	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	019336	• Use to apply topical analgesic
<input type="checkbox"/> Tape	1	1	McKesson <a href="http://mms.mckesson.com">mms.mckesson.com</a>	½": 1527-0	• Use to secure animal to workstation
				1": 1527-1	



## Rat LVP (HD-S20, HD-S21)

\* There are many types of suture material that are acceptable for use. Please see DSI's [Rodent Suture Material and Size Recommendations](#) tech note in the [DSI Support Center](#) for more information.

### Instruments and Equipment

Item Name	Quantity	Vendor	Part Number	Notes
<input type="checkbox"/> 3-way stopcock	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	023305	
<input type="checkbox"/> Forceps - Graefe, curved, with teeth	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	11054-10	
<input type="checkbox"/> Forceps - Suture tying, straight	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	00272-13	
<input type="checkbox"/> Forceps - Vessel cannulation	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	00608-11	<ul style="list-style-type: none"> <li>• Use for handling pressure catheters</li> </ul>
<input type="checkbox"/> Forceps - Vessel dilator, angled	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	00276-13	
<input type="checkbox"/> Magnetic Arch - Assembly	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	276-0079-001	<ul style="list-style-type: none"> <li>• Aids in retracting the abdominal wall to access the diaphragm</li> </ul>
<input type="checkbox"/> Magnetic Arch - Fixators	4	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	18200-01	<ul style="list-style-type: none"> <li>• Combine with magnetic arch assembly to hold wire hooks when retracting abdominal wall</li> <li>• Tall fixators not required</li> </ul>
<input type="checkbox"/> Magnetic Arch - Base Plate	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	18200-03	<ul style="list-style-type: none"> <li>• Combine with Magnetic Arch Assembly to retract the abdominal wall</li> </ul>
<input type="checkbox"/> Needle holder - Castroviejo	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	12060-01	
<input type="checkbox"/> Needle holder - Olsen-Hegar, extra delicate	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	12002-12	
<input type="checkbox"/> Needle holder - Olsen-Hegar, heavy	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	12002-14	<ul style="list-style-type: none"> <li>• Use to occlude vessel for systemic pressure catheter placement</li> </ul>
<input type="checkbox"/> Regel syringe	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	276-0038-001	<ul style="list-style-type: none"> <li>• Use to regel pressure catheters</li> </ul>
<input type="checkbox"/> Scissors - Lexer-baby, straight	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	14078-10	

Item Name	Quantity	Vendor	Part Number	Notes
<input type="checkbox"/> Scissors - Mayo	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	14040-15	• Use for drape-cutting
<input type="checkbox"/> Scissors - Metzenbaum-baby, straight	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	14018-14	
<input type="checkbox"/> Scissors - Tenotomy, straight	1	World Precision Instruments <a href="http://www.wpiinc.com">www.wpiinc.com</a>	14395	
<input type="checkbox"/> Scissors - Vannas, angled	1	World Precision Instruments <a href="http://www.wpiinc.com">www.wpiinc.com</a>	503214	• Use for incising the diaphragm
<input type="checkbox"/> Skin hooks - elastic (standard)	2	Henry Schein <a href="http://www.henryschein.com">www.henryschein.com</a>	1297140	• Only necessary for systemic pressure catheter placement
<input type="checkbox"/> Skin hooks - wire	6	McMaster-Carr <a href="http://www.mcmaster.com">www.mcmaster.com</a>	8908K32	• Combine with Fixators to aid in retracting the abdominal wall • Cut in half and bend one end to make a hook
<input type="checkbox"/> Standard lead coupler kit	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	276-0031-001	• Use to couple and/or repair biopotential leads • Requires a crimp tool, sold separately • Please see DSI's <a href="#">Lead Coupler Kit Manual</a> for additional information
<input type="checkbox"/> Standard lead crimp tool	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	276-0019-001	
<input type="checkbox"/> Trocar	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	370-0142-001	• Can be solid with a sleeve, or hollow • Use to tunnel biopotential leads and/or catheter
<input type="checkbox"/> Ventilator (VentElite)	1	Harvard Apparatus <a href="http://www.harvardapparatus.com">www.harvardapparatus.com</a>	55-7040	• Requires use of endotracheal tubes or non-intubating nose cone to ventilate animal • See technical note for additional information
<input type="checkbox"/> Wire cutter	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS0883112	• Use to cut biopotential leads
<input type="checkbox"/> Wound clips, stapler, and remover	1	Harvard Apparatus <a href="http://www.harvardapparatus.com">www.harvardapparatus.com</a>	52-3748	• Can use wound clips and stapler OR suture for skin closure depending on IACUC approval

## Disposable Supplies

Item Name	Quantity	Vendor	Part Number	Notes
<input type="checkbox"/> Absorbent underpad	1	Grainger <a href="http://www.grainger.com">www.grainger.com</a>	45FG81	<ul style="list-style-type: none"> <li>Place under animal to absorb fluids, can be cut to size</li> </ul>
<input type="checkbox"/> Absorption triangles, unmounted	6-8	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	18105-03	<ul style="list-style-type: none"> <li>Non-sterile, pack and sterilize before use in surgery</li> </ul>
<input type="checkbox"/> Butterfly catheter - 25g	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	029525	<ul style="list-style-type: none"> <li>Remove air through intercostal space</li> </ul>
<input type="checkbox"/> Fiber patch	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	370-0036-001	<ul style="list-style-type: none"> <li>Encourages connective tissue growth</li> <li>Helps keep blood pressure catheter in place in rats (aorta)</li> </ul>
<input type="checkbox"/> Cotton-tipped applicators	20/pk	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	003262	<ul style="list-style-type: none"> <li>Non-sterile, pack and sterilize before use in surgery</li> </ul>
<input type="checkbox"/> Drape	2	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	010408	<ul style="list-style-type: none"> <li>Can be cut to size and sterilized</li> </ul>
<input type="checkbox"/> Gauze - 2x2" (5x5cm)	2	McKesson <a href="http://mms.mckesson.com">mms.mckesson.com</a>	529380	
<input type="checkbox"/> Gauze - 4x4" (10x10cm)	2	McKesson <a href="http://mms.mckesson.com">mms.mckesson.com</a>	401590	
<input type="checkbox"/> Needle - 14g	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	002075	<ul style="list-style-type: none"> <li>Use to exteriorize ECG leads and/or catheter</li> </ul>
<input type="checkbox"/> Needle - 20g	2	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	000234	<ul style="list-style-type: none"> <li>Use to puncture the heart</li> <li>1 additional can be used to place leads</li> </ul>
<input type="checkbox"/> Needle - 22g	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	000224	<ul style="list-style-type: none"> <li>Use as catheter introducer into the aorta</li> </ul>
<input type="checkbox"/> Pipette tips	2	Fisher Scientific <a href="http://www.fishersci.com">www.fishersci.com</a>	02-707-83	<ul style="list-style-type: none"> <li>For applying Vetbond™</li> </ul>
<input type="checkbox"/> Scalpel blade - #22	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	019741	<ul style="list-style-type: none"> <li>Blade only</li> </ul>
<input type="checkbox"/> Specimen cup	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	002078	<ul style="list-style-type: none"> <li>Use for sterile saline</li> </ul>
<input type="checkbox"/> Suture - 4-0 non-absorbable braided on a taper needle	1	Various	Various	<ul style="list-style-type: none"> <li>Use for abdominal closure</li> </ul>

Item Name	Quantity	Vendor	Part Number	Notes
<input type="checkbox"/> Suture - 5-0 non-absorbable suture (no needle)	1	Various	Various	<ul style="list-style-type: none"> <li>• Tie around suture aid of LV catheter</li> <li>• Can purchase with needle and trim to size (3") either at surgery, or pre-make sterilized packs</li> </ul>
<input type="checkbox"/> Suture - 5-0 silk (no needle)	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	18020-50	<ul style="list-style-type: none"> <li>• Non-sterile, cut to 16" and sterilize before use in surgery</li> </ul>
<input type="checkbox"/> Suture - 6-0 silk with curved taper needle	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	036663	<ul style="list-style-type: none"> <li>• Use on heart or diaphragm</li> </ul>
<input type="checkbox"/> Syringe - 1cc	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	040847	<ul style="list-style-type: none"> <li>• Only necessary for systemic pressure catheter placement</li> </ul>
<input type="checkbox"/> Syringe - 10cc	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	010349	
<input type="checkbox"/> Syringe - Insulin	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	019336	<ul style="list-style-type: none"> <li>• Use to apply topical analgesic</li> </ul>
<input type="checkbox"/> Tape	1	McKesson <a href="http://mms.mckesson.com">mms.mckesson.com</a>	½": 1527-0	<ul style="list-style-type: none"> <li>• Use to secure animal to workstation</li> </ul>
			1": 1527-1	
<input type="checkbox"/> Vetbond™	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	370-0005-001	<ul style="list-style-type: none"> <li>• Use to secure pressure catheter in place</li> </ul>

## Rat PAP (HD-S20, HD-S21)

\* There are many types of suture material that are acceptable for use. Please see DSI's [Rodent Suture Material and Size Recommendations](#) tech note in the [DSI Support Center](#) for more information.

### Instruments and Equipment

Item Name	Quantity	Vendor	Part Number	Notes
<input type="checkbox"/> 3-way stopcock	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	023305	
<input type="checkbox"/> Clamps - Micro bulldog, curved	2	World Precision Instruments <a href="http://www.wpiinc.com">www.wpiinc.com</a>	14119	
<input type="checkbox"/> Forceps - Graefe, curved, with teeth	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	11054-10	
<input type="checkbox"/> Forceps - Suture tying, straight	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	00272-13	
<input type="checkbox"/> Forceps - Vessel cannulation	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	00608-11	• Use for handling pressure catheters
<input type="checkbox"/> Forceps - Vessel dilator, angled	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	00276-13	
<input type="checkbox"/> Needle holder - Castroviejo	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	12060-01	
<input type="checkbox"/> Needle holder - Olsen-Hegar, extra delicate	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	12002-12	
<input type="checkbox"/> Needle holder - Olsen-Hegar, heavy	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	12002-14	• Use to occlude vessel for systemic pressure catheter placement
<input type="checkbox"/> Regel syringe	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	276-0038-001	• Use to regel pressure catheters
<input type="checkbox"/> Retractor - Alms, small	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	17009-08	• Aid in opening rib space
<input type="checkbox"/> Scissors - Lexer-baby, straight	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	14078-10	
<input type="checkbox"/> Scissors - Mayo	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	14040-15	• Use for drape-cutting
<input type="checkbox"/> Scissors - Metzenbaum-baby, straight	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	14018-14	

Item Name	Quantity	Vendor	Part Number	Notes
<input type="checkbox"/> Scissors - Tenotomy, straight	1	World Precision Instruments <a href="http://www.wpiinc.com">www.wpiinc.com</a>	014395	
<input type="checkbox"/> Scissors - Vannas, angled	1	World Precision Instruments <a href="http://www.wpiinc.com">www.wpiinc.com</a>	503214	<ul style="list-style-type: none"> <li>• Use for incising the diaphragm</li> </ul>
<input type="checkbox"/> Skin hooks - elastic (standard)	2	Henry Schein <a href="http://www.henryschein.com">www.henryschein.com</a>	1297140	<ul style="list-style-type: none"> <li>• Only necessary for systemic pressure catheter placement</li> </ul>
<input type="checkbox"/> Skin hooks - wire	6	McMaster-Carr <a href="http://www.mcmaster.com">www.mcmaster.com</a>	8908K32	<ul style="list-style-type: none"> <li>• Cut in half and bend one end to make a hook</li> </ul>
<input type="checkbox"/> Standard lead coupler kit	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	276-0031-001	<ul style="list-style-type: none"> <li>• Use to couple and/or repair biopotential leads</li> <li>• Requires a crimp tool, sold separately</li> <li>• Please see DSI's <a href="#">Lead Coupler Kit Manual</a> for additional information</li> </ul>
<input type="checkbox"/> Standard lead crimp tool	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	276-0019-001	
<input type="checkbox"/> Trocar	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	370-0142-001	<ul style="list-style-type: none"> <li>• Can be solid with a sleeve, or hollow</li> <li>• Use to tunnel biopotential leads and/or catheter</li> </ul>
<input type="checkbox"/> Ventilator (VentElite)	1	Harvard Apparatus <a href="http://www.harvardapparatus.com">www.harvardapparatus.com</a>	55-7040	<ul style="list-style-type: none"> <li>• Requires use of endotracheal tubes or non-intubating nose cone to ventilate animal</li> <li>• See technical note for additional information</li> </ul>
<input type="checkbox"/> Wire cutter	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS0883112	<ul style="list-style-type: none"> <li>• Use to cut biopotential leads</li> </ul>
<input type="checkbox"/> Wound clips, stapler, and remover	1	Harvard Apparatus <a href="http://www.harvardapparatus.com">www.harvardapparatus.com</a>	52-3748	<ul style="list-style-type: none"> <li>• Can use wound clips and stapler OR suture for skin closure depending on IACUC approval</li> </ul>

## Disposable Supplies

Item Name	Quantity	Vendor	Part Number	Notes
<input type="checkbox"/> Absorbent underpad	1	Grainger <a href="http://www.grainger.com">www.grainger.com</a>	45FG81	<ul style="list-style-type: none"> <li>Place under animal to absorb fluids, can be cut to size</li> </ul>
<input type="checkbox"/> Absorption triangles, unmounted	6-8	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	18105-03	<ul style="list-style-type: none"> <li>Non-sterile, pack and sterilize before use in surgery</li> </ul>
<input type="checkbox"/> Butterfly catheter - 25g	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	029525	<ul style="list-style-type: none"> <li>Remove air through intercostal space</li> </ul>
<input type="checkbox"/> Fiber patch	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	370-0036-001	<ul style="list-style-type: none"> <li>Encourages connective tissue growth</li> <li>Helps keep blood pressure catheter in place in rats (aorta)</li> </ul>
<input type="checkbox"/> Cotton-tipped applicators	20/pk	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	003262	<ul style="list-style-type: none"> <li>Non-sterile, pack and sterilize before use in surgery</li> </ul>
<input type="checkbox"/> Drape	2	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	010408	<ul style="list-style-type: none"> <li>Can be cut to size and sterilized</li> </ul>
<input type="checkbox"/> Gauze - 2x2" (5x5cm)	2	McKesson <a href="http://mms.mckesson.com">mms.mckesson.com</a>	529380	
<input type="checkbox"/> Gauze - 4x4" (10x10cm)	2	McKesson <a href="http://mms.mckesson.com">mms.mckesson.com</a>	401590	
<input type="checkbox"/> Needle - 14g	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	002075	<ul style="list-style-type: none"> <li>Use to exteriorize biopotential leads and/or catheter</li> </ul>
<input type="checkbox"/> Needle - 20g	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	000234	<ul style="list-style-type: none"> <li>Use to place leads</li> </ul>
<input type="checkbox"/> Needle - 22g	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	000224	<ul style="list-style-type: none"> <li>Use as catheter introducer into the aorta</li> </ul>
<input type="checkbox"/> Needle - 23g	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	062391	<ul style="list-style-type: none"> <li>Use to puncture the heart</li> </ul>
<input type="checkbox"/> Pipette tips	2	Fisher Scientific <a href="http://www.fishersci.com">www.fishersci.com</a>	02-707-83	<ul style="list-style-type: none"> <li>For applying Vetbond™</li> </ul>
<input type="checkbox"/> Scalpel blade - #22	2	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	019741	<ul style="list-style-type: none"> <li>1 for systemic pressure/ECG, 1 for PAP</li> <li>Blade only</li> </ul>
<input type="checkbox"/> Specimen cup	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	002078	<ul style="list-style-type: none"> <li>Use for sterile saline</li> </ul>

Item Name	Quantity	Vendor	Part Number	Notes
<input type="checkbox"/> Suture - 4-0 non-absorbable braided on a taper needle	1	Various	Various	<ul style="list-style-type: none"> <li>Use for rib closure and abdominal closure (absorbable suture can be used on ribs if required)</li> </ul>
<input type="checkbox"/> Suture - 5-0 absorbable monofilament on a cutting needle	1	Various	Various	<ul style="list-style-type: none"> <li>Use for intradermal skin closure</li> </ul>
<input type="checkbox"/> Suture - 5-0 absorbable monofilament on a taper needle	1	Various	Various	<ul style="list-style-type: none"> <li>Use for muscle and subcutaneous closure</li> </ul>
<input type="checkbox"/> Suture - 5-0 silk (no needle)	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	18020-50	<ul style="list-style-type: none"> <li>Non-sterile, cut to 16" and sterilize before use in surgery</li> <li>Only necessary for BP/ECG</li> </ul>
<input type="checkbox"/> Suture - 6-0 silk on a taper needle	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	036663	<ul style="list-style-type: none"> <li>Use for purse-string on heart</li> </ul>
<input type="checkbox"/> Syringe - 1cc	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	040847	<ul style="list-style-type: none"> <li>Only necessary for systemic pressure catheter placement</li> </ul>
<input type="checkbox"/> Syringe - 10cc	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	010349	
<input type="checkbox"/> Syringe - Insulin	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	019336	<ul style="list-style-type: none"> <li>Use to apply topical analgesic</li> </ul>
<input type="checkbox"/> Tape	1	McKesson <a href="http://mms.mckesson.com">mms.mckesson.com</a>	½": 1527-0 1": 1527-1	<ul style="list-style-type: none"> <li>Use to secure animal to workstation</li> </ul>
<input type="checkbox"/> Vetbond™	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	370-0005-001	<ul style="list-style-type: none"> <li>Use to secure pressure catheter in place</li> </ul>



## Mouse Glucose (HD-XG)

\* There are many types of suture material that are acceptable for use. Please see DSI's [Rodent Suture Material and Size Recommendations](#) tech note in the [DSI Support Center](#) for more information.

## Instruments and Equipment

Item Name	Quantity		Vendor	Part Number	Notes
	SQ	IP			
<input type="checkbox"/> Forceps - Graefe, curved, with teeth	2	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	11054-10	
<input type="checkbox"/> Forceps - Vessel cannulation	1	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	00608-11	<ul style="list-style-type: none"> <li>• Use for handling glucose sensor</li> </ul>
<input type="checkbox"/> Forceps - Vessel dilator, angled	2	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	00276-13	
<input type="checkbox"/> Hemostats - Crile, straight	1	N/A	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	13004-14	<ul style="list-style-type: none"> <li>• Use to create SQ pocket for device placement</li> </ul>
<input type="checkbox"/> Metal ruler	1	1	McMaster-Carr <a href="http://www.mcmaster.com">www.mcmaster.com</a>	2285A55	<ul style="list-style-type: none"> <li>• 5 ¾" high accuracy</li> </ul>
<input type="checkbox"/> Needle holder - Olsen-Hegar, extra delicate	1	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	12002-12	
<input type="checkbox"/> Scissors - Lexer-baby, straight	2	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	14078-10	
<input type="checkbox"/> Scissors - Mayo	1	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	14040-15	<ul style="list-style-type: none"> <li>• Use for drape cutting</li> </ul>
<input type="checkbox"/> Skin hooks - elastic (small)	2	2	Henry Schein <a href="http://www.henryschein.com">www.henryschein.com</a>	1297141	
<input type="checkbox"/> Trocar	N/A	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	370-0142-001	<ul style="list-style-type: none"> <li>• Can be solid with a sleeve, or hollow</li> <li>• Use to tunnel sensor</li> </ul>
<input type="checkbox"/> Wound clips, stapler, and remover	1	1	Harvard Apparatus <a href="http://www.harvardapparatus.com">www.harvardapparatus.com</a>	52-3748	<ul style="list-style-type: none"> <li>• Can use wound clips and stapler OR suture for skin closure depending on IACUC approval</li> </ul>

## Disposable Supplies

Item Name	Quantity		Vendor	Part Number	Notes
	SQ	IP			
<input type="checkbox"/> Absorbent underpad	1	1	Grainger <a href="http://www.grainger.com">www.grainger.com</a>	45FG81	• Place under animal to absorb fluids, can be cut to size
<input type="checkbox"/> Cotton-tipped applicators	2/pk	2/pk	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	034598	
<input type="checkbox"/> Drape	2	2	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	010408	• Can be cut to size and sterilized
<input type="checkbox"/> Gauze - 2x2" (5x5cm)	1	1	McKesson <a href="http://mms.mckesson.com">mms.mckesson.com</a>	529380	
<input type="checkbox"/> Needle - 18g	N/A	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	000238	• Use to exteriorize glucose sensor
<input type="checkbox"/> Needle - 25g	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	000224	• Use as catheter introducer into the carotid artery
<input type="checkbox"/> Specimen cup	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	002078	• Use for sterile saline
<input type="checkbox"/> Suture - 5-0 non-absorbable with a taper needle	1	1	Various	Various	• Use for abdominal or neck closure
<input type="checkbox"/> Suture - 5-0 silk (no needle)	1	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	18020-50	• Non-sterile, cut to 18" and sterilize before use in surgery
<input type="checkbox"/> Syringe - 1cc	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	040847	
<input type="checkbox"/> Syringe - 3cc	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	040848	
<input type="checkbox"/> Syringe - Insulin	1	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	019336	• Use to apply topical analgesic
<input type="checkbox"/> Tape	1	1	McKesson <a href="http://mms.mckesson.com">mms.mckesson.com</a>	½": 1527-0 1": 1527-1	• Use to secure animal to workstation

## Rat Glucose (HD-XG)

\* There are many types of suture material that are acceptable for use. Please see DSI's [Rodent Suture Material and Size Recommendations](#) tech note in the [DSI Support Center](#) for more information.

## Instruments and Equipment

Item Name	Quantity	Vendor	Part Number	Notes
<input type="checkbox"/> Forceps - Graefe, curved, with teeth	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	11054-10	
<input type="checkbox"/> Forceps - Vessel cannulation	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	00608-11	• Use for handling glucose sensor
<input type="checkbox"/> Forceps - Vessel dilator, angled	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	00276-13	
<input type="checkbox"/> Needle holder - Olsen-Hegar, extra delicate	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	12002-12	
<input type="checkbox"/> Needle holder - Olsen-Hegar, heavy	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	12002-14	• Use to occlude vessel for sensor placement
<input type="checkbox"/> Scissors - Lexer-baby, straight	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	14078-10	
<input type="checkbox"/> Scissors - Metzenbaum-baby, straight	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	14018-14	
<input type="checkbox"/> Scissors - Mayo	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	14040-15	• Use for drape cutting
<input type="checkbox"/> Skin hooks - elastic (standard)	2	Henry Schein <a href="http://www.henryschein.com">www.henryschein.com</a>	1297140	
<input type="checkbox"/> Wound clips, stapler, and remover	1	Harvard Apparatus <a href="http://www.harvardapparatus.com">www.harvardapparatus.com</a>	52-3748	• Can use wound clips and stapler OR suture for skin closure depending on IACUC approval

## Disposable Supplies

Item Name	Quantity	Vendor	Part Number	Notes
<input type="checkbox"/> Absorbent underpad	1	Grainger <a href="http://www.grainger.com">www.grainger.com</a>	45FG81	• Place under animal to absorb fluids, can be cut to size

Item Name	Quantity	Vendor	Part Number	Notes
<input type="checkbox"/> Fiber patch	2	DSI <a href="http://www.datasci.com">www.datasci.com</a>	370-0036-001	<ul style="list-style-type: none"> <li>Encourages connective tissue growth</li> <li>Helps keep sensor in place</li> </ul>
<input type="checkbox"/> Cotton-tipped applicators	20/pk	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	003262	<ul style="list-style-type: none"> <li>Non-sterile, pack and sterilize before use in surgery</li> </ul>
<input type="checkbox"/> Drape	2	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	010408	<ul style="list-style-type: none"> <li>Can be cut to size and sterilized</li> </ul>
<input type="checkbox"/> Gauze - 2x2" (5x5cm)	1	McKesson <a href="http://mms.mckesson.com">mms.mckesson.com</a>	529380	
<input type="checkbox"/> Gauze - 4x4" (10x10cm)	1	McKesson <a href="http://mms.mckesson.com">mms.mckesson.com</a>	401590	
<input type="checkbox"/> Needle - 25g	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	000224	<ul style="list-style-type: none"> <li>Use as catheter introducer into the aorta</li> </ul>
<input type="checkbox"/> Pipette tips	2	Fisher Scientific <a href="http://www.fishersci.com">www.fishersci.com</a>	02-707-83	<ul style="list-style-type: none"> <li>For applying Vetbond™</li> </ul>
<input type="checkbox"/> Scalpel blade - #22	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	019741	<ul style="list-style-type: none"> <li>Blade only</li> </ul>
<input type="checkbox"/> Specimen cup	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	002078	<ul style="list-style-type: none"> <li>Use for sterile saline</li> </ul>
<input type="checkbox"/> Suture - 4-0 non-absorbable braided on a taper needle	1	Various	Various	<ul style="list-style-type: none"> <li>Use for abdominal closure and tacking reference electrode</li> </ul>
<input type="checkbox"/> Suture - 5-0 absorbable monofilament on a cutting needle	1	Various	Various	<ul style="list-style-type: none"> <li>Use for intradermal skin closure (if not using wound clips)</li> </ul>
<input type="checkbox"/> Suture - 5-0 silk (no needle)	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	18020-50	<ul style="list-style-type: none"> <li>Non-sterile, cut to 16" and sterilize before use in surgery</li> </ul>
<input type="checkbox"/> Syringe - 1cc	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	040847	
<input type="checkbox"/> Syringe - 10cc	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	010349	
<input type="checkbox"/> Syringe - Insulin	1	Covetrus <a href="http://northamerica.covetrus.com">northamerica.covetrus.com</a>	019336	<ul style="list-style-type: none"> <li>Use to apply topical analgesic</li> </ul>
<input type="checkbox"/> Tape	1	McKesson <a href="http://mms.mckesson.com">mms.mckesson.com</a>	½": 1527-0	<ul style="list-style-type: none"> <li>Use to secure animal to workstation</li> </ul>
			1": 1527-1	
<input type="checkbox"/> Vetbond™	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	370-0005-001	<ul style="list-style-type: none"> <li>Use to secure sensor in place</li> </ul>