

## Large Animal Surgical Supplies

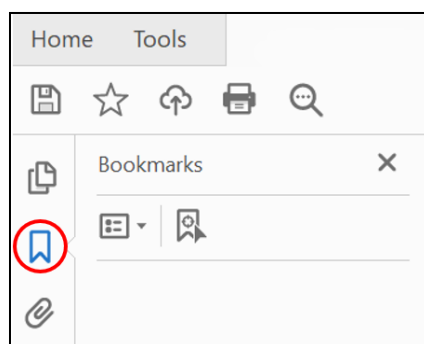
This document contains surgical supplies relevant for use with large animal DSI telemetry. A listing of supplies, as well as vendor and part number information, is provided. Many of these supplies can be found from other vendors as well. Please note vendor part numbers change on occasion. If you encounter 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	DRE Veterinary <a href="http://www.dreveterinary.com">www.dreveterinary.com</a>	12412	
<input type="checkbox"/> Aspiration suction unit	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	030202	<ul style="list-style-type: none"> <li>• Removes blood/fluids</li> <li>• May need additional accessories</li> <li>• Not always a necessity for surgery</li> </ul>
<input type="checkbox"/> Bair Hugger	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	061331	<ul style="list-style-type: none"> <li>• Use to keep animal warm during surgery</li> <li>• Blanket information available under Disposable Supplies</li> <li>• Other accessories available to warm animal in cage, warm IV fluids</li> </ul>
<input type="checkbox"/> Electrocautery unit	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	067611	<ul style="list-style-type: none"> <li>• Use for incising and coagulation</li> <li>• May need additional accessories</li> </ul>
<input type="checkbox"/> Fluid pump	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	061801	<ul style="list-style-type: none"> <li>• Programmable</li> </ul>
<input type="checkbox"/> Incubator	Cole Parmer <a href="http://www.coleparmer.com">www.coleparmer.com</a>	EW-03613-10	<ul style="list-style-type: none"> <li>• Warms fluids</li> </ul>
<input type="checkbox"/> Instrument table	DRE Veterinary <a href="http://www.dreveterinary.com">www.dreveterinary.com</a>	11075	<ul style="list-style-type: none"> <li>• Adjustable</li> </ul>
<input type="checkbox"/> IV fluid line warmer	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	074507	<ul style="list-style-type: none"> <li>• Keeps IV fluids warm during surgery</li> </ul>
<input type="checkbox"/> Multiparameter physiologic monitor	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	074831	<ul style="list-style-type: none"> <li>• Oxygen saturation (SpO2)</li> <li>• Standard ECG with heart rate (HR)</li> <li>• Respiration</li> <li>• Non-invasion blood pressure (NIBP)</li> <li>• Optional gas module with end-tidal CO2 (EtCO2)</li> </ul>
<input type="checkbox"/> Surgical lights	DRE Veterinary <a href="http://www.dreveterinary.com">www.dreveterinary.com</a>	9830	
<input type="checkbox"/> Surgical table	DRE Veterinary <a href="http://www.dreveterinary.com">www.dreveterinary.com</a>	330	<ul style="list-style-type: none"> <li>• Adjustable</li> <li>• C-arm compatible</li> </ul>
<input type="checkbox"/> Ventilator	DRE Veterinary <a href="http://www.dreveterinary.com">www.dreveterinary.com</a>	11386	<ul style="list-style-type: none"> <li>• Required for any open chest procedures</li> </ul>

## Non-Capital Equipment

Item Name	Vendor	Part Number	Notes
<input type="checkbox"/> #40 clipper blade	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	037702	
<input type="checkbox"/> Anti-fatigue mat	Medline <a href="http://www.medline.com">www.medline.com</a>	MAC4223X6	<ul style="list-style-type: none"> <li>Place on floor where surgeon will stand to provide cushion</li> </ul>
<input type="checkbox"/> Autoclavable tip covers	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	29060-00	
<input type="checkbox"/> Avagard™ (500mL cartridge)	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	021289	<ul style="list-style-type: none"> <li>Hand disinfectant</li> <li>Use after hands are clean and before donning surgical gloves</li> <li>Requires a wall dispenser for use</li> </ul>
<input type="checkbox"/> Avagard™ wall dispenser	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	Foot pump: 021290	<ul style="list-style-type: none"> <li>Hands free option requires batteries</li> </ul>
		Hands free: 045503	
<input type="checkbox"/> Endotracheal tubes	Various	Various	<ul style="list-style-type: none"> <li>Supplies oxygen/anesthesia to animal via trachea</li> <li>Must have appropriate size for animal</li> </ul>
<input type="checkbox"/> Instrument cleaning brush	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	Nylon bristles: 009908	<ul style="list-style-type: none"> <li>Should be used to maintain the integrity of the instruments</li> </ul>
		Stainless steel bristles: 071186	
<input type="checkbox"/> Magnet	DSI <a href="http://www.datasci.com">www.datasci.com</a>	370-0035-001	<ul style="list-style-type: none"> <li>Turn device on/off</li> </ul>
<input type="checkbox"/> Power On Detector	DSI <a href="http://www.datasci.com">www.datasci.com</a>	275-0024-001	<ul style="list-style-type: none"> <li>Use with PhysioTel Digital implants (M and L series)</li> <li>275-0024-003 (for Japan frequencies)</li> <li>275-0024-004 (for China frequencies)</li> </ul>
<input type="checkbox"/> Surgical clippers	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	065902	<ul style="list-style-type: none"> <li>Andis Pulse ZR Cordless Clipper, rechargeable</li> <li>Best used with #40 clipper blade</li> </ul>
<input type="checkbox"/> Surgical ties (limb restraints)	Midwest Vet Supply <a href="http://www.midwestvetsupply.com">www.midwestvetsupply.com</a>	272.19041.2	<ul style="list-style-type: none"> <li>Secure animal to operating table</li> </ul>

## Disposable Supplies

### For use in OR/Surgery

Surgery-specific items and recommended quantities are listed further based on surgery and device type.

Item Name	Vendor	Part Number	Notes
<input type="checkbox"/> Bair Hugger blanket	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	Small: 050055 Large: 050054	<ul style="list-style-type: none"> <li>• Keep animal warm during surgery</li> <li>• Multiple size options</li> </ul>
<input type="checkbox"/> Disposable light handle covers	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	018266	
<input type="checkbox"/> Eye lubricant	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	062143	<ul style="list-style-type: none"> <li>• Keeps eyes lubricated during surgery</li> </ul>
<input type="checkbox"/> Isoflurane inhalant anesthesia	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	029405	
<input type="checkbox"/> Lidocaine (2%)	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	002468	<ul style="list-style-type: none"> <li>• Dilates vessels &amp; prevents vasospasm</li> </ul>
<input type="checkbox"/> Phenylephrine HCl injection, 10mg/mL (25x1mL)	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	065761	<ul style="list-style-type: none"> <li>• Helps treat hypotension during surgical procedures</li> </ul>
<input type="checkbox"/> Regel syringe	DSI <a href="http://www.datasci.com">www.datasci.com</a>	276-0039-001	<ul style="list-style-type: none"> <li>• Includes 5 syringes</li> <li>• Required for all pressure devices</li> <li>• Single-use syringe, 1 per device</li> </ul>

## Cleaning Materials and PPE

Item Name	Vendor	Part Number	Notes
<input type="checkbox"/> Chlorhexidine scrub (Nolvasan scrub)	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	055482	<ul style="list-style-type: none"> <li>• Proven to be more effective than betadine</li> <li>• Do not use on implants</li> </ul>
<input type="checkbox"/> Chlorhexidine solution 2%	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	055481	<ul style="list-style-type: none"> <li>• Spray a small amount on animal's skin after cleaning and before starting surgery</li> <li>• Do not use on implants</li> </ul>
<input type="checkbox"/> Instrument lube spray	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	004911	<ul style="list-style-type: none"> <li>• Keeps instruments lubricated and prevents rusting</li> </ul>
<input type="checkbox"/> Isopropyl alcohol, 70%	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	011842	<ul style="list-style-type: none"> <li>• May de-activate chlorhexidine</li> <li>• Do not use on implants</li> </ul>

Item Name	Vendor	Part Number	Notes
<input type="checkbox"/> Kool Lube clipper spray	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	003458	<ul style="list-style-type: none"> <li>• Use frequently to maintain integrity of the blade</li> <li>• Helps prevent overheating</li> </ul>
<input type="checkbox"/> Rescue AHP TB cleaner	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	Wipes: 058517 Liquid: 058281	<ul style="list-style-type: none"> <li>• Safe to use on plexiglass and most hard surfaces</li> </ul>
<input type="checkbox"/> Sterile saline (1L bottle)	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	009863	<ul style="list-style-type: none"> <li>• Will not de-activate chlorhexidine</li> </ul>
<input type="checkbox"/> Surgical gown (XL)	Medline <a href="http://www.medline.com">www.medline.com</a>	DYNJP2002	<ul style="list-style-type: none"> <li>• Non-reinforced</li> <li>• Comes with a towel</li> </ul>
<input type="checkbox"/> Surgical scrub brush with 3% PCMX	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	042031	<ul style="list-style-type: none"> <li>• Use to clean hands prior to surgery</li> </ul>

## Suture Recommendations

There are many types of suture material that are acceptable for use. Silk suture is not recommended due to its inflammatory properties. Please see DSI's [Large Animal Suture Materials and Size Recommendations](#) tech note in the [DSI Support Center](#) for more information.

## Device Returns and Exchanges

All products returned to DSI must be cleaned and decontaminated. DSI only recommends cold sterilization. Please see DSI's [Cleaning and Re-sterilization of DSI Implants](#) technical note on the [Support Center](#) for more information

Item Name	Vendor	Part Number	Notes
<input type="checkbox"/> Enzymatic detergent	Fisher Scientific <a href="http://www.fishersci.com">www.fishersci.com</a>	Tergazyme: 16-000-115 Haemol-Sol NS: 23721050	<ul style="list-style-type: none"> <li>• Cleans devices - does not sterilize</li> <li>• Removes blood, serum proteins, tissue debris</li> </ul>
<input type="checkbox"/> Cold sterilant	Medivators <a href="https://www.medivators.com/">https://www.medivators.com/</a> (Type "Actril" in search box)	Actril: 78337-000	<ul style="list-style-type: none"> <li>• Sterilizes devices</li> <li>• Devices must be clean of all gross debris prior to use</li> </ul>
	Steris <a href="http://www.shop.steris.com">www.shop.steris.com</a>	Spor-Klenz RTU: 652501	

## Large Animal BP/ECG/Respiratory (M11, L11, L11R)

Not all instruments are required for each surgical approach. It is up to the surgeon to determine which instrument, size and quantity is most appropriate for the species, size of the animals being used and number of surgeons performing the surgery.

\* There are many types of suture material that are acceptable for use. Silk suture is not recommended due to its inflammatory properties. Please see DSI's [Large Animal Suture Materials 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 - Adson-Brown	3	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1019912	
<input type="checkbox"/> Forceps - Babcock	4	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS6416816	• Use for subperitoneal pocket retraction
<input type="checkbox"/> Forceps - Baby Mixer, curved	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MIL7210	• Use for isolating vessels
<input type="checkbox"/> Forceps - Crile	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1225014	
<input type="checkbox"/> Forceps - Debakey	2	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1130820	
<input type="checkbox"/> Forceps - Tissue, straight	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1012215	
<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"/> Hemostats - Halsted-Mosquito, curved	3	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1222114	
<input type="checkbox"/> Hemostats - Halsted-Mosquito, straight	3	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1222014	
<input type="checkbox"/> Hemostats - Micro Mosquito	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1222212	
<input type="checkbox"/> Hemostats - Rochester-Carmalt	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1234020	• Use for tunneling antenna

Item Name	Quantity	Vendor	Part Number	Notes
<input type="checkbox"/> Measuring tape	1	Various	Various	<ul style="list-style-type: none"> <li>• Sterilize in EtO before use in surgery due to risk of melting in autoclave</li> <li>• Use when placing respiratory leads</li> </ul>
<input type="checkbox"/> Metal bowl	1	Medline <a href="http://www.medline.com">www.medline.com</a>	DYND05106Z	<ul style="list-style-type: none"> <li>• Use for sterile saline and hydrating device</li> </ul>
<input type="checkbox"/> Metal ruler	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS0234015	
<input type="checkbox"/> Needle holder - Mayo-Hegar, serrated, 5.5"	2	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS2418014	
<input type="checkbox"/> Retractor - Army-Navy	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1813121	
<input type="checkbox"/> Retractor - Balfour	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1876690	<ul style="list-style-type: none"> <li>• Use to access the chest via the diaphragm</li> </ul>
<input type="checkbox"/> Retractor - Gelpi	2	Medline <a href="http://www.medline.com">www.medline.com</a>	Small: MDS1880209	<ul style="list-style-type: none"> <li>• Use for retraction with deep vessels</li> </ul>
			Large: MDS1880218	
<input type="checkbox"/> Retractor - Weitlaner	2	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1865110	<ul style="list-style-type: none"> <li>• Use for blunt retraction</li> </ul>
<input type="checkbox"/> Scalpel blade handles	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	10004-13	
<input type="checkbox"/> Scissors - Mayo	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS0816417	
<input type="checkbox"/> Scissors - Mayo, dissecting	1	Medline <a href="http://www.medline.com">www.medline.com</a>	SKA95308	<ul style="list-style-type: none"> <li>• Use for drape cutting</li> </ul>
<input type="checkbox"/> Scissors - Metzenbaum	2	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS0828715	
<input type="checkbox"/> Towel clamps	6	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1411109	
<input type="checkbox"/> Trocar	1	SAI Infusion Technologies <a href="http://www.sai-infusion.com">www.sai-infusion.com</a>	TRO-7B-12	<ul style="list-style-type: none"> <li>• Use for tunneling catheters and leads</li> </ul>
<input type="checkbox"/> Vein pick	1	SAI Infusion Technologies <a href="http://www.sai-infusion.com">www.sai-infusion.com</a>	VP-10	
<input type="checkbox"/> Wire cutter	2	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS0883112	



## Disposable Supplies

Item Name	Quantity	Vendor	Part Number	Notes
<input type="checkbox"/> Drape	2	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	Bulk: 010408 Individual: 050471	<ul style="list-style-type: none"> <li>• 1 for patient, 1 for table</li> <li>• Multiple options available</li> </ul>
<input type="checkbox"/> Gauze - 4x4" (10x10cm)	15-20	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	009716	<ul style="list-style-type: none"> <li>• Non-sterile, must be sterilized prior to use in surgery</li> </ul>
<input type="checkbox"/> GLUture	1	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	034418	
<input type="checkbox"/> Ioban (13x13")	2/animal	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	006559	
<input type="checkbox"/> Laparotomy sponges (12x12")	1 package	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	041833	<ul style="list-style-type: none"> <li>• Use if accessing the diaphragm</li> </ul>
<input type="checkbox"/> Needle - 14g	1	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	002075	
<input type="checkbox"/> Needle - 18g	1	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	000238	
<input type="checkbox"/> Needle counter	1	Medline <a href="http://www.medline.com">www.medline.com</a>	DYNJNC10F	
<input type="checkbox"/> Regel syringe	1/device	DSI <a href="http://www.datasci.com">www.datasci.com</a>	276-0039-001	<ul style="list-style-type: none"> <li>• Single-use syringe, 1 per device</li> </ul>
<input type="checkbox"/> Scalpel - #10, retractable	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MIL4510	<ul style="list-style-type: none"> <li>• Use on skin</li> </ul>
<input type="checkbox"/> Scalpel - #15, retractable	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MIL4515	<ul style="list-style-type: none"> <li>• Use on internal tissue layers</li> </ul>
<input type="checkbox"/> Syringe - 3cc	1	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	040848	

## Large Animal LVP (L21)

Not all instruments are required for each surgical approach. It is up to the surgeon to determine which instrument, size and quantity is most appropriate for the species, size of the animals being used and number of surgeons performing the surgery.

\* There are many types of suture material that are acceptable for use. Silk suture is not recommended due to its inflammatory properties. Please see DSI's [Large Animal Suture Materials 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 - Adson-Brown	3	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1019912	
<input type="checkbox"/> Forceps - Babcock	4	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS6416816	• Use for subperitoneal pocket retraction
<input type="checkbox"/> Forceps - Baby Mixer, curved	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MIL7210	• Use for isolating vessels
<input type="checkbox"/> Forceps - Crile	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1225014	
<input type="checkbox"/> Forceps - Debakey	2	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1130820	
<input type="checkbox"/> Forceps - Tissue, straight	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1012215	
<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"/> Hemostats - Halsted-Mosquito, curved	3	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1222114	
<input type="checkbox"/> Hemostats - Halsted-Mosquito, straight	3	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1222014	
<input type="checkbox"/> Hemostats - Micro Mosquito	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1222212	
<input type="checkbox"/> Hemostats - Rochester-Carmalt	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1234020	• Use for tunneling antenna

Item Name	Quantity	Vendor	Part Number	Notes
<input type="checkbox"/> Metal bowl	1	Medline <a href="http://www.medline.com">www.medline.com</a>	DYND05106Z	• Use for sterile saline and hydrating device
<input type="checkbox"/> Needle holder - Castroviejo	1	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	12565-14	
<input type="checkbox"/> Needle holder - Mayo-Hegar, serrated, 5.5"	2	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS2418014	
<input type="checkbox"/> Retractor - Army-Navy	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1813121	
<input type="checkbox"/> Retractor - Balfour	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1876690	• Use to access the chest via the diaphragm
<input type="checkbox"/> Retractor - Finochietto	1	Medline <a href="http://www.medline.com">www.medline.com</a>	Small: MDS5621475	• Use to access chest via thoracotomy • Small is suitable for NHP and small canines and swine • Large is suitable for larger canines and swine
			Large: MDS5621020	
<input type="checkbox"/> Retractor - Gelpi retractor	2	Medline <a href="http://www.medline.com">www.medline.com</a>	Small: MDS1880209	• Use for retraction with deep vessels
			Large: MDS1880218	
<input type="checkbox"/> Retractor - Weitlaner	2	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1865110	• Use for blunt retraction
<input type="checkbox"/> Scalpel blade handles	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	10004-13	
<input type="checkbox"/> Scissors - Mayo	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS0816417	
<input type="checkbox"/> Scissors - Mayo, dissecting	1	Medline <a href="http://www.medline.com">www.medline.com</a>	SKA95308	• Use for drape cutting
<input type="checkbox"/> Scissors - Metzenbaum	2	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS0828715	
<input type="checkbox"/> Towel clamps	6	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1411109	
<input type="checkbox"/> Trocar	1	SAI Infusion Technologies <a href="http://www.sai-infusion.com">www.sai-infusion.com</a>	TRO-7B-12	• Use for tunneling catheters and leads
<input type="checkbox"/> Vein pick	1	SAI Infusion Technologies <a href="http://www.sai-infusion.com">www.sai-infusion.com</a>	VP-10	

Item Name	Quantity	Vendor	Part Number	Notes
<input type="checkbox"/> Ventilator	1	DRE Veterinary <a href="http://www.dreveterinary.com">www.dreveterinary.com</a>	11386	• Required for open chest procedures
<input type="checkbox"/> Wire cutter	2	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS0883112	

## Disposable Supplies

Item Name	Quantity	Vendor	Part Number	Notes
<input type="checkbox"/> Absorption spears, mounted	20	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	18105-01	• Use to absorb blood out of the chest
<input type="checkbox"/> Drape	2	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	Bulk: 010408 Individual: 050471	• 1 for patient, 1 for table • Multiple options available
<input type="checkbox"/> Gauze - 4x4" (10x10cm)	15-20	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	009716	• Non-sterile, must be sterilized prior to use in surgery
<input type="checkbox"/> GLUture	1	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	034418	
<input type="checkbox"/> Ioban (13x13")	2/animal	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	006559	
<input type="checkbox"/> Laparotomy sponges (12x12")	1 package	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	041833	• Use if accessing the diaphragm
<input type="checkbox"/> Needle - 14g	2	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	002075	
<input type="checkbox"/> Needle - 18g	1	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	000238	
<input type="checkbox"/> Needle counter	1	Medline <a href="http://www.medline.com">www.medline.com</a>	DYNJNC10F	

Item Name	Quantity	Vendor	Part Number	Notes
<input type="checkbox"/> Nylon 66 cable ties	4-6	Various	Various	<ul style="list-style-type: none"> <li>• Use to approximate ribs during thoracotomy</li> <li>• Need to be sterilized before use in surgery</li> <li>• 1/8" x 7" recommended for NHP</li> <li>• 1/4" x 11" recommended for canine and swine &lt;15kg</li> <li>• 1/3" x 24" recommended for larger swine</li> </ul>
<input type="checkbox"/> Red rubber catheter	1	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	12 Fr: 002042	• Use to withdraw air from thoracic cavity
			20 Fr: 016460	• 12 Fr: Suitable for NHP • 20 Fr: Suitable for canine and swine <15kg
		Medline <a href="http://www.medline.com">www.medline.com</a>	28 Fr: BRD056128	• 28 Fr: Suitable for larger swine
<input type="checkbox"/> Regel syringe	1/device	DSI <a href="http://www.datasci.com">www.datasci.com</a>	276-0039-001	• Single-use syringe, 1 per device
<input type="checkbox"/> Scalpel - #10, retractable	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MIL4510	• Use on skin
<input type="checkbox"/> Scalpel - #15, retractable	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MIL4515	• Use on internal tissue layers
<input type="checkbox"/> Syringe - 3cc	1	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	040848	
<input type="checkbox"/> Syringe/Needle - 1cc w/ 25g	1	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	017363	<ul style="list-style-type: none"> <li>• Use for applying Vetbond™</li> <li>• Alternatively can purchase syringe and needle separately</li> </ul>
<input type="checkbox"/> Vetbond™	1	DSI <a href="http://www.datasci.com">www.datasci.com</a>	370-0005-001	

## Large Animal EEG (L03/L04)

Not all instruments are required for each surgical approach. It is up to the surgeon to determine which instrument, size and quantity is most appropriate for the species, size of the animals being used and number of surgeons performing the surgery.

\* There are many types of suture material that are acceptable for use. Silk suture is not recommended due to its inflammatory properties. Please see DSI's [Large Animal Suture Materials 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"/> Dental acrylic curing light	1	Henry Schein Dental <a href="http://www.henryschein.com">www.henryschein.com</a>	5700253	<ul style="list-style-type: none"> <li>• Maxima 2000 Curing Light</li> <li>• Cordless</li> <li>• 2000 mW/cm2</li> <li>• Use for EEG procedures</li> </ul>
<input type="checkbox"/> Drill	1	DePuy Synthes <a href="http://www.jnjmedicaldevices.com">www.jnjmedicaldevices.com</a>	EMAX2PLUS	<ul style="list-style-type: none"> <li>• Drills hole into skull</li> <li>• Various add-ons available. DSI recommends a foot pedal (E-FP), drill bit holder (ADG), and 1.1mm drill bit (ADG-11-G1) at minimum</li> <li>• Please contact a representative to help determine the appropriate set-up for your needs</li> </ul>
<input type="checkbox"/> Forceps - Adson-Brown	3	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1019912	
<input type="checkbox"/> Forceps - Babcock	4	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS6416816	<ul style="list-style-type: none"> <li>• Use for subperitoneal pocket retraction</li> </ul>
<input type="checkbox"/> Forceps - Crile	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1225014	
<input type="checkbox"/> Forceps - Debakey	2	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1130820	
<input type="checkbox"/> Forceps - Tissue, straight	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1012215	
<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"/> Hemostats - Halsted-Mosquito, curved	3	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1222114	

Item Name	Quantity	Vendor	Part Number	Notes
<input type="checkbox"/> Hemostats - Halsted-Mosquito, straight	3	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1222014	
<input type="checkbox"/> Hemostats - Micro Mosquito	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1222212	
<input type="checkbox"/> Hemostats - Rochester-Carmalt	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1234020	• Use for tunneling antenna
<input type="checkbox"/> Measuring tape	1	Various	Various	• Sterilize in EtO before use in surgery due to risk of melting in autoclave • Used for coordinate measurements
<input type="checkbox"/> Metal bowl	1	Medline <a href="http://www.medline.com">www.medline.com</a>	DYND05106Z	• Use for sterile saline
<input type="checkbox"/> Needle Holder - Mayo-Hegar, serrated, 5.5"	2	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS2418014	
<input type="checkbox"/> Periosteal elevator	1-2	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1212371	• Use to remove tissue from the skull and retract, depending on electrode location
<input type="checkbox"/> Retractor - Gelpi	2	Medline <a href="http://www.medline.com">www.medline.com</a>	Small: MDS1880209 Large: MDS1880218	• Large size used for retracting tissue on the skull for EEG placement
<input type="checkbox"/> Retractor - Weitlaner	2	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1865110	• Use for blunt retraction
<input type="checkbox"/> Scalpel blade handles	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	10004-13	
<input type="checkbox"/> Scissors - Mayo	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS0816417	
<input type="checkbox"/> Scissors - Mayo, dissecting	1	Medline <a href="http://www.medline.com">www.medline.com</a>	SKA95308	• Use for drape cutting
<input type="checkbox"/> Scissors - Metzenbaum	2	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS0828715	
<input type="checkbox"/> Screwdriver	1	P1Technologies <a href="http://www.p1tec.com">www.p1tec.com</a>	SD-80	
<input type="checkbox"/> Towel clamps	6	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1411109	
<input type="checkbox"/> Trocar	1	SAl Infusion Technologies <a href="http://www.sai-infusion.com">www.sai-infusion.com</a>	TRO-7B-12	• Use for tunneling leads

Item Name	Quantity	Vendor	Part Number	Notes
<input type="checkbox"/> Versa Form pillow	1	Medline <a href="http://www.medline.com">www.medline.com</a>	SNRC2823	<ul style="list-style-type: none"> <li>• Use to stabilize the head</li> <li>• Limited availability from vendor</li> <li>• Will need to purchase additional accessories (vacuum pump, valve part)</li> <li>• Alternatively can use stereotaxic apparatus</li> </ul>
<input type="checkbox"/> Wire cutter	2	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS0883112	

## Disposable Supplies

Item Name	Quantity	Vendor	Part Number	Notes
<input type="checkbox"/> Cotton-tipped applicators	20/pack	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	Standard: 003263	<ul style="list-style-type: none"> <li>• Non-sterile, pack and sterilize before use in surgery</li> </ul>
		McKesson <a href="http://mms.mckesson.com">mms.mckesson.com</a>	Tapered: 540970	
<input type="checkbox"/> Drape	2	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	Bulk: 010408	<ul style="list-style-type: none"> <li>• 1 for patient, 1 for table</li> <li>• Multiple options available</li> </ul>
			Individual: 050471	
<input type="checkbox"/> Gauze - 4x4" (10x10cm)	15-20	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	009716	<ul style="list-style-type: none"> <li>• Non-sterile, must be sterilized prior to use in surgery</li> </ul>
<input type="checkbox"/> GLUture	1	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	034418	
<input type="checkbox"/> Ioban (13x13")	2/animal	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	006559	
<input type="checkbox"/> Laparotomy sponges (12x12")	1 package	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	041833	<ul style="list-style-type: none"> <li>• Use if accessing the diaphragm</li> </ul>



Item Name	Quantity	Vendor	Part Number	Notes
<input type="checkbox"/> Maxcem Elite Cement Introductory Kit	1	Henry Schein Dental <a href="http://www.henryschein.com">www.henryschein.com</a>	1231151	<ul style="list-style-type: none"> <li>Set includes 3 5-gram dual syringes (2 clear, 1 white), Automix tips, intraoral tips, and post-canal tips</li> <li>Mixing tips need to be sterilized before use in surgery</li> <li>Refill syringes and tips sold separately</li> <li>May need to provide licensure to purchase</li> </ul>
<input type="checkbox"/> Mixing tips - Automix	2-6	Henry Schein Dental <a href="http://www.henryschein.com">www.henryschein.com</a>	Regular: 1237323	<ul style="list-style-type: none"> <li>Non-sterile, will need to sterilize before use in surgery</li> <li>Compatible with dental acrylic applicator</li> <li>May need to provide licensure to purchase</li> </ul>
			Wide: 1238955	
<input type="checkbox"/> Needle - 30g	3	McKesson <a href="http://www.mckesson.com">www.mckesson.com</a>	145374	<ul style="list-style-type: none"> <li>Use as coordinate marker for perimeter locations where skull is not easily accessed</li> </ul>
<input type="checkbox"/> Needle counter	1	Medline <a href="http://www.medline.com">www.medline.com</a>	DYNJNC10F	
<input type="checkbox"/> Scalpel - #10, retractable	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MIL4510	<ul style="list-style-type: none"> <li>Use on skin</li> </ul>
<input type="checkbox"/> Scalpel - #15, retractable	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MIL4515	<ul style="list-style-type: none"> <li>Use on internal tissue layers</li> </ul>
<input type="checkbox"/> Screws	Varies	P1Technologies <a href="http://www.p1tec.com">www.p1tec.com</a>	0-80 x 3/16	<ul style="list-style-type: none"> <li>Anchors EEG leads in place</li> <li>4.8mm length, 1.57mm shaft diameter</li> <li>Amount depends on desired endpoints</li> </ul>
<input type="checkbox"/> Sharpie	1	Various	Various	<ul style="list-style-type: none"> <li>Sterilize before use in surgery</li> </ul>
<input type="checkbox"/> Syringe - 60cc, bulb	1	Medline <a href="http://www.medline.com">www.medline.com</a>	DYND20125 H	<ul style="list-style-type: none"> <li>Use to irrigate the skull</li> </ul>
<input type="checkbox"/> Syringe/Needle - 1cc w/ 25g	1	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	017363	<ul style="list-style-type: none"> <li>Use for applying Vetbond™</li> <li>Alternatively can purchase syringe and needle separately</li> </ul>

## Large Animal Temperature/Activity (M00)

Not all instruments are required for each surgical approach. It is up to the surgeon to determine which instrument, size and quantity is most appropriate for the species, size of the animals being used and number of surgeons performing the surgery.

\* There are many types of suture material that are acceptable for use. Silk suture is not recommended due to its inflammatory properties. Please see DSI's [Large Animal Suture Materials 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 - Adson-Brown	2	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1019912	
<input type="checkbox"/> Forceps - Babcock	4	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS6416816	• Use for subperitoneal pocket retraction
<input type="checkbox"/> Forceps - Debakey	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1130820	
<input type="checkbox"/> Forceps - Tissue, straight	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1012215	
<input type="checkbox"/> Hemostats - Rochester-Carmalt	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1234020	• Use for tunneling antenna
<input type="checkbox"/> Hemostats - Halsted-Mosquito, curved	2-3	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1222114	
<input type="checkbox"/> Hemostats - Halsted-Mosquito, straight	2-3	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1222014	
<input type="checkbox"/> Metal bowl	1	Medline <a href="http://www.medline.com">www.medline.com</a>	DYND05106Z	• Use for sterile saline
<input type="checkbox"/> Needle holder - Mayo-Hegar, serrated, 5.5"	2	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS2418014	
<input type="checkbox"/> Scalpel blade handles	2	Fine Science Tools <a href="http://www.finescience.com">www.finescience.com</a>	10004-13	
<input type="checkbox"/> Scissors - Mayo, dissecting	1	Medline <a href="http://www.medline.com">www.medline.com</a>	SKA95308	• Use for drape cutting

Item Name	Quantity	Vendor	Part Number	Notes
<input type="checkbox"/> Scissors - Metzenbaum	2	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS0828715	
<input type="checkbox"/> Towel clamps	2	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS1411109	
<input type="checkbox"/> Wire cutter	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MDS0883112	• Use for cutting suture

## Disposable Supplies

Item Name	Quantity	Vendor	Part Number	Notes
<input type="checkbox"/> Drape	2	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	Bulk: 010408 Individual: 050471	• 1 for patient, 1 for table • Multiple options available
<input type="checkbox"/> Gauze - 4x4" (10x10cm)	15-20	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	009716	• Non-sterile, must be sterilized prior to use in surgery
<input type="checkbox"/> GLUture	1	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	034418	
<input type="checkbox"/> Ioban (13x13")	1	Covetrus <a href="http://www.northamerica.covetrus.com">www.northamerica.covetrus.com</a>	006559	
<input type="checkbox"/> Needle counter	1	Medline <a href="http://www.medline.com">www.medline.com</a>	DYNJNC10F	
<input type="checkbox"/> Scalpel - #10, retractable	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MIL4510	• Use on skin
<input type="checkbox"/> Scalpel - #15, retractable	1	Medline <a href="http://www.medline.com">www.medline.com</a>	MIL4515	• Use on internal tissue layers