

Small Animal Surgical Supplies

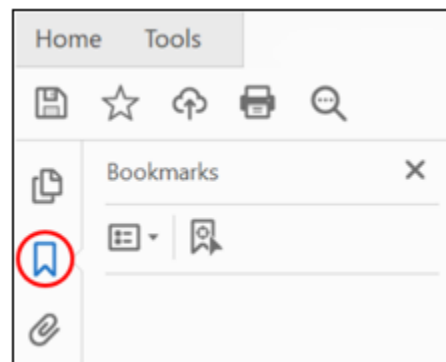
This document contains surgical supplies relevant for use with small animal DSI telemetry. A listing of supplies by device type is provided as well as vendor and part number information. Many of these supplies can be found from other vendors. Additionally, some products are only available in North America 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 system - Tabletop | Harvard Apparatus | 75-0232 | <ul style="list-style-type: none"> • Contains all supplies necessary for an active scavenging system (MiniVac) • Can add/subtract items as needed |
| | | With induction box: 75-0233 | |
| <input type="checkbox"/> Head lamp | Roboz | ML-605 | <ul style="list-style-type: none"> • Necessary to illuminate surgical field for intra-thoracic procedures |
| <input type="checkbox"/> Heating pad - Homeothermic monitoring system | Harvard Apparatus | 55-7020 | <ul style="list-style-type: none"> • Keep animal warm during surgery • Ideal for smaller workspaces • Fits into a standard stereotaxic frame |
| <input type="checkbox"/> Heating pad - Water circulating | Braintree Scientific | TPump: TP-700 | <ul style="list-style-type: none"> • Keep animal warm during surgery |
| | | Reusable T-Pad: TP-R 22G | <ul style="list-style-type: none"> • Heavy duty pliable polymer material |
| <input type="checkbox"/> Hot bead sterilizer | Braintree Scientific | GER 5287-120V | <ul style="list-style-type: none"> • Tabletop sterilizer for instruments • Replacement beads: GER5289 |
| <input type="checkbox"/> MiniVac Gas Evacuation Unit | Harvard Apparatus | 73-4910 | <ul style="list-style-type: none"> • Need to purchase adapters for scavenger canisters separately |
| <input type="checkbox"/> Surgical Workbench | Production Automatic Corporation | Various | <ul style="list-style-type: none"> • Customizable benchtops |
| <input type="checkbox"/> Surgical chair | Production Automatic Corporation | ERGO 2F 200 TILT FR | <ul style="list-style-type: none"> • Built with urethane casters |
| <input type="checkbox"/> Surgical loupes, 3.5x | Fine Science | 28050 | <ul style="list-style-type: none"> • Necessary to visualize the surgical field for some intra-thoracic procedures |
| <input type="checkbox"/> Surgical microscope | North Central Instruments | M60 | <ul style="list-style-type: none"> • Contact a sales representative to discuss the most appropriate configuration |
| | World Precision Instruments | PZMTIV-BS | <ul style="list-style-type: none"> • Cheaper alternative to Leica M60 |
| <input type="checkbox"/> Ultrasonic cleaner | Cole Parmer | EW-08895 | <ul style="list-style-type: none"> • Various capacities available • Basket not included • Requires cleaning solution |

Non-Capital Equipment

| Item Name | Vendor | Part Number | Notes |
|---|--------------------------------------|--------------------------------|---|
| <input type="checkbox"/> Instrument cleaning brush | Covetrus | Nylon: 009908 | <ul style="list-style-type: none"> • Use to maintain the integrity of the instrument |
| | | Stainless steel: 071186 | |
| <input type="checkbox"/> Magnet | DSI | 370-0034-001 | <ul style="list-style-type: none"> • Turn device on/off • Contact your sales representative to order |
| <input type="checkbox"/> MiniVac - Scavenger canister | Harvard Apparatus | Fluosorber (large): 34-0415 | <ul style="list-style-type: none"> • Can be used for either passive or active scavenging (with MiniVac) • Able to scavenge up to 200g of anesthetic agents, sold as a pack of 6 |
| | | F/Air (small): 72-1294 | <ul style="list-style-type: none"> • Can be used for either passive or active scavenging (with MiniVac) • Able to scavenge up to 50g of anesthetic agents, sold as a pack of 8 |
| <input type="checkbox"/> MiniVac - Scavenger canister adapter | Harvard Apparatus | Large: 73-4911 | <ul style="list-style-type: none"> • Allows for charcoal scavenger canisters to be attached to MiniVac system • Large is suitable for Fluosorber brand canisters • Small is suitable for F/Air brand canisters |
| | | Small: 73-4915 | |
| <input type="checkbox"/> Signal Detector | DSI | 370-0140-001 | <ul style="list-style-type: none"> • Detects F0 (455 kHz), F1 (8 MHz), and F2 (18 MHz) devices • Contact your sales representative to order |
| <input type="checkbox"/> Spencer Suture Scissors | Medline | MDS0880209 | <ul style="list-style-type: none"> • Can also be used to trim animal nails before surgery |
| <input type="checkbox"/> Surgical clippers | Braintree Scientific | Mice: CLP-41590 P | |
| | | Rats and larger: CLP-8786 | |
| <input type="checkbox"/> Surgical clipper blades | Covetrus | #30: 022574 | <ul style="list-style-type: none"> • Replacement blades for surgical clippers • #30 is suitable for mice • #40 is suitable for rats and larger species |
| | | #40: 025107 | |

General Disposable Supplies

- Surgery-specific items and recommended quantities are listed further based on surgery and device type.
- Anesthetic, analgesic, and antibiotic use may differ based on your institution’s policies. Please refer to DSI’s [Anesthesia Reference Manual](#) in the [DSI Support Center](#) for more information.
- Other disposable supplies can include but are not limited to sterile surgical gloves, masks, caps, shoe covers and gowns. Please refer to your facility’s policies for required items for aseptic surgery.

| Item Name | Vendor | Part Number | Notes |
|---|---|--------------|--|
| <input type="checkbox"/> Depilatory cream (i.e. Nair™) | Various | Various | <ul style="list-style-type: none"> • Removes mouse hair from surgical field • Do not leave on skin for an extensive time - 30 seconds is sufficient in most cases |
| <input type="checkbox"/> Isoflurane inhalant anesthesia | Covetrus | 029405 | |
| <input type="checkbox"/> GLUture® | Covetrus | 034418 | <ul style="list-style-type: none"> • Aids with incisional closure • Do not use to secure pressure catheters |
| <input type="checkbox"/> Lidocaine (2%) | Covetrus | 002468 | <ul style="list-style-type: none"> • Dilates vessels • Do not use on carotid artery |
| <input type="checkbox"/> Ophthalmic ointment | Covetrus | 062143 | <ul style="list-style-type: none"> • Keeps eyes lubricated during surgery • Multiple options available |
| <input type="checkbox"/> Regel syringe | DSI | 276-0038-001 | <ul style="list-style-type: none"> • Required for all pressure devices • Contact your sales representative to order |
| <input type="checkbox"/> Silicone adhesive (KWIK-SIL) | World Precision Instruments | KWIK-SIL | <ul style="list-style-type: none"> • Used for nerve recordings • Insulates nerve and electrode |
| <input type="checkbox"/> Silver sulfadiazine cream, 1% | Covetrus | 084772 | <ul style="list-style-type: none"> • Use to treat irritated skin |
| <input type="checkbox"/> Wound clips (Autoclips) | Protech International | 205016 | <ul style="list-style-type: none"> • Can use wound clips and applicator OR suture for skin closure depending on IACUC approval • Non-sterile, must be sterilized before use in surgery • Not recommended for use on the ventral neck or top of the head |

Cleaning Materials and Sterile Solutions

| Item Name | Vendor | Part Number | Notes |
|--|--------------------------|----------------|---|
| <input type="checkbox"/> Chlorhexidine scrub 4% | Covetrus | 055480 | <ul style="list-style-type: none"> • Proven to be more effective than betadine • Do not use on implants |
| <input type="checkbox"/> Chlorhexidine solution 2% | Covetrus | 055481 | <ul style="list-style-type: none"> • Spray a small amount on animal's skin after cleaning and before starting surgery • Do not use on implants |
| <input type="checkbox"/> Instrument lube spray | Covetrus | 004911 | <ul style="list-style-type: none"> • Keeps instruments lubricated and prevents rusting |
| <input type="checkbox"/> Isopropyl alcohol, 70% | Covetrus | 012186 | <ul style="list-style-type: none"> • Do not use on implants |
| <input type="checkbox"/> Kool Lube clipper spray | Covetrus | 003458 | <ul style="list-style-type: none"> • Use frequently to maintain integrity of the blade • Helps prevent overheating |
| <input type="checkbox"/> Surgical Instrument Cleaner and Lubricant | Covetrus | 037453 | <ul style="list-style-type: none"> • Can be used with ultrasonic cleaner • Cleans and lubricates surgical instruments |
| <input type="checkbox"/> Rescue AHP TB cleaner | Covetrus | Wipes: 058517 | <ul style="list-style-type: none"> • Safe to use on plexiglass and most hard surfaces |
| | | Liquid: 058281 | |
| <input type="checkbox"/> Revital-Ox RESERT High Level Disinfectant | Steris | 4455AW | <ul style="list-style-type: none"> • Use only if approved by your facility • Reusable for up to 21 days • Monitor the concentration with testing strips (part number PCC053) |
| <input type="checkbox"/> Sterile saline (1L bottle) | Medline | DYND500MLW | |
| <input type="checkbox"/> Sterile water (1L bottle) | Medline | DYND500MLW | <ul style="list-style-type: none"> • Use to rinse surgical instruments after cold sterilization • Do not use as an irrigation solution |

Suture Recommendations

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.

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 | Tergazyme: 16-000-115 | <ul style="list-style-type: none"> • Cleans devices - does not sterilize • Removes blood, serum proteins, tissue debris • Haemol-Sol NS can be used in place of Tergazyme, do not need to use both |
| | | Haemol-Sol NS: 23721050 | |
| <input type="checkbox"/> Cold sterilant | Steris | Spor-Klenz RTU: 6525M2 | <ul style="list-style-type: none"> • Sterilizes devices • Devices must be clean of all gross debris prior to use • Available in 4 x 850 mL bottles |

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 | 11054-10 | |
| <input type="checkbox"/> Forceps - Vessel cannulation | 1 | 1 | Fine Science Tools | 00608-11 | <ul style="list-style-type: none"> • Use for handling pressure catheters |
| <input type="checkbox"/> Forceps - Vessel dilator, angled | 2 | 2 | Fine Science Tools | 00276-13 | |
| <input type="checkbox"/> Hemostats - Crile, straight | 1 | N/A | Fine Science Tools | 13004-14 | <ul style="list-style-type: none"> • Use to create SQ pocket for device placement |
| <input type="checkbox"/> Metal ruler | 1 | 1 | McMaster-Carr | 2285A55 | <ul style="list-style-type: none"> • 5 ¾" high accuracy • Measures to ½ mm |
| <input type="checkbox"/> Needle holder - Olsen-Hegar, extra delicate | 1 | 1 | Fine Science Tools | 12002-12 | |
| <input type="checkbox"/> Regel syringe | 1 | 1 | DSI | 276-0038-001 | <ul style="list-style-type: none"> • Use to regel pressure catheters • Contact your sales representative to order |
| <input type="checkbox"/> Scissors - Lexer-baby, straight | 2 | 2 | Fine Science Tools | 14078-10 | |
| <input type="checkbox"/> Scissors - Mayo | 1 | 1 | Fine Science Tools | 14010-15 | <ul style="list-style-type: none"> • Use for drape cutting |
| <input type="checkbox"/> Skin hooks - elastic (3mm) | 2 | 2 | Henry Schein Dental | 1297141 | <ul style="list-style-type: none"> • Use for retraction |
| <input type="checkbox"/> Small gauge coupler kit | 1 | 1 | DSI | 276-0065-001 | <ul style="list-style-type: none"> • Use to couple and/or repair biopotential leads • Requires a crimp tool, sold separately • Contact your sales representative to order • Please see DSI's Lead Coupler Kit Manual for additional information |

| Item Name | Quantity | | Vendor | Part Number | Notes |
|---|----------|----|---------------------------------------|--------------|---|
| | SQ | IP | | | |
| <input type="checkbox"/> Small gauge crimp tool | 1 | 1 | DSI | 276-0019-002 | <ul style="list-style-type: none"> Contact your sales representative to order |
| <input type="checkbox"/> Hollow trocar | 1 | 1 | DSI | 370-0142-001 | <ul style="list-style-type: none"> Use to tunnel biopotential leads Contact your sales representative to order |
| <input type="checkbox"/> Wire cutter | 1 | 1 | Medline | MDS0883112 | <ul style="list-style-type: none"> Use to cut biopotential leads |
| <input type="checkbox"/> Wound clips, applicator, and remover | 1 | 1 | Protech International | 205060 | <ul style="list-style-type: none"> Can use wound clips and applicator OR suture for skin closure depending on IACUC approval |

Disposable Supplies

| Item Name | Quantity | | Vendor | Part Number | Notes |
|--|----------|------|--------------------------|-------------|--|
| | SQ | IP | | | |
| <input type="checkbox"/> Absorbent underpad | 1 | 1 | Grainger | 45FG81 | <ul style="list-style-type: none"> Place under animal to absorb fluids, can be cut to size |
| <input type="checkbox"/> Cotton-tipped applicators | 2/pk | 2/pk | Medline | MDS202000ZZ | |
| <input type="checkbox"/> Drape (either option) | 2 | 2 | Covetrus | 010408 | <ul style="list-style-type: none"> Can be cut to size and sterilized |
| | 1 | 1 | Medline | DYNJP2405 | <ul style="list-style-type: none"> Comes in sterile packs of 2 |
| <input type="checkbox"/> Gauze - 2x2" (5x5cm) | 1 | 1 | Medline | NON21224H | <ul style="list-style-type: none"> Comes in sterile packs of 2 |
| <input type="checkbox"/> Needle - 18g | N/A | 1 | Covetrus | 000238 | <ul style="list-style-type: none"> Use to exteriorize biopotential leads |
| <input type="checkbox"/> Needle - 25g | 1 | 1 | Covetrus | 000224 | <ul style="list-style-type: none"> Use as catheter introducer into the carotid artery |
| <input type="checkbox"/> Scalpel blade - #22 | 1 | 1 | Covetrus | 007325 | <ul style="list-style-type: none"> Blade only Use to remove silicone tubing from leads |
| <input type="checkbox"/> Specimen cup | 1 | 1 | Covetrus | 002078 | <ul style="list-style-type: none"> Use for sterile saline |
| <input type="checkbox"/> Suture - 5-0 non-absorbable braided with a taper needle | 1 | 1 | Various | Various | <ul style="list-style-type: none"> Use for abdominal or neck closure and tacking leads |

| Item Name | Quantity | | Vendor | Part Number | Notes |
|--|----------|----|------------------------------------|---------------|---|
| | SQ | IP | | | |
| <input type="checkbox"/> Suture - 5-0 silk (no needle) | 1 | 1 | Fine Science Tools | 18020-50 | • Non-sterile, cut to 18" and sterilize before use in surgery |
| <input type="checkbox"/> Syringe - 1cc | 1 | 1 | Covetrus | 040847 | |
| <input type="checkbox"/> Syringe - 3cc | 1 | 1 | Covetrus | 040848 | |
| <input type="checkbox"/> Syringe - Insulin | 1 | 1 | Medline | MHZ828555Z | • Use to apply analgesic |
| <input type="checkbox"/> Tape | 1 | 1 | Medline | ½": MMM15270Z | • Use to secure animal to workstation |
| | | | | 1": MMM15271Z | |

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 | 11054-10 | |
| <input type="checkbox"/> Forceps - Vessel cannulation | 1 | Fine Science Tools | 00608-11 | <ul style="list-style-type: none"> • Use for handling pressure catheters |
| <input type="checkbox"/> Forceps - Vessel dilator, angled | 2 | Fine Science Tools | 00276-13 | |
| <input type="checkbox"/> Needle holder - Olsen-Hegar, extra delicate | 1 | Fine Science Tools | 12002-12 | |
| <input type="checkbox"/> Needle holder - Olsen-Hegar, heavy | 2 | Fine Science Tools | 12002-14 | <ul style="list-style-type: none"> • Use to occlude vessel for systemic pressure catheter placement |
| <input type="checkbox"/> Regel syringe | 1 | DSI | 276-0038-001 | <ul style="list-style-type: none"> • Use to regel pressure catheters • Contact your sales representative to order |
| <input type="checkbox"/> Scissors - Lexer-baby, straight | 2 | Fine Science Tools | 14078-10 | |
| <input type="checkbox"/> Scissors - Mayo | 1 | Fine Science Tools | 14010-15 | <ul style="list-style-type: none"> • Use for drape cutting |
| <input type="checkbox"/> Skin hooks - elastic (5mm) | 2 | Henry Schein Dental | 1297140 | <ul style="list-style-type: none"> • Use for retraction |
| <input type="checkbox"/> Standard lead coupler kit | 1 | DSI | 276-0031-001 | <ul style="list-style-type: none"> • Use to couple and/or repair biopotential leads • Requires a crimp tool, sold separately • Contact your sales representative to order • Please see DSI's Lead Coupler Kit Manual for additional information |
| <input type="checkbox"/> Standard lead crimp tool | 1 | DSI | 276-0019-001 | <ul style="list-style-type: none"> • Contact your sales representative to order |

| Item Name | Quantity | Vendor | Part Number | Notes |
|---|----------|---------------------------------------|--------------|---|
| <input type="checkbox"/> Hollow trocar | 1 | DSI | 370-0142-001 | <ul style="list-style-type: none"> • Use to tunnel biopotential leads • Contact your sales representative to order |
| <input type="checkbox"/> Wire cutter | 1 | Medline | MDS0883112 | <ul style="list-style-type: none"> • Use to cut biopotential leads |
| <input type="checkbox"/> Wound clips, applicator, and remover | 1 | Protech International | 205060 | <ul style="list-style-type: none"> • Can use wound clips and applicator 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 | 45FG81 | <ul style="list-style-type: none"> • Place under animal to absorb fluids, can be cut to size |
| <input type="checkbox"/> Fiber patch | 1 | DSI | 370-0036-001 | <ul style="list-style-type: none"> • Encourages connective tissue growth • Helps keep blood pressure catheter in place in rats (aorta) • Contact your sales representative to order |
| <input type="checkbox"/> Cotton-tipped applicators | 20/pk | Medline | MDS202055ZZ | <ul style="list-style-type: none"> • Non-sterile, pack and sterilize before use in surgery |
| <input type="checkbox"/> Drape (either option) | 2 | Covetrus | 010408 | <ul style="list-style-type: none"> • Can be cut to size and sterilized |
| | 1 | Medline | DYNJP2405 | <ul style="list-style-type: none"> • Comes in sterile packs of 2 |
| <input type="checkbox"/> Gauze - 2x2" (5x5cm) | 1 | Medline | MDS202000ZZ | <ul style="list-style-type: none"> • Comes in sterile packs of 2 |
| <input type="checkbox"/> Gauze - 4x4" (10x10cm) | 1 | Medline | KDL8044Z | <ul style="list-style-type: none"> • Comes in sterile packs of 2 |
| <input type="checkbox"/> Needle - 14g | 1 | Covetrus | 002075 | <ul style="list-style-type: none"> • Use to exteriorize ECG leads |
| <input type="checkbox"/> Needle - 20g | 1 | Covetrus | 060762 | <ul style="list-style-type: none"> • Use to place leads |
| <input type="checkbox"/> Needle - 22g | 1 | Covetrus | 010415 | <ul style="list-style-type: none"> • Use as catheter introducer into the aorta |
| <input type="checkbox"/> Pipette tips | 2 | Fischer Scientific | 02-707-82 | <ul style="list-style-type: none"> • For applying Vetbond™ • Sterilize before use |
| <input type="checkbox"/> Scalpel blade - #22 | 1 | Covetrus | 007325 | <ul style="list-style-type: none"> • Blade only |
| <input type="checkbox"/> Specimen cup | 1 | Covetrus | 002078 | <ul style="list-style-type: none"> • Use for sterile saline |

| Item Name | Quantity | Vendor | Part Number | Notes |
|---|----------|------------------------------------|--------------------------------|---|
| <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 | 18020-50 | • Non-sterile, cut to 18" and sterilize before use in surgery |
| <input type="checkbox"/> Syringe - 1cc | 1 | Covetrus | 040847 | |
| <input type="checkbox"/> Syringe - 10cc | 1 | Medline | B-D303134Z | |
| <input type="checkbox"/> Syringe - Insulin | 1 | Medline | MHZ828555Z | • Use to apply analgesic |
| <input type="checkbox"/> Tape | 1 | Medline | ½": MMM15270Z 1": MMM15271Z | • Use to secure animal to workstation |
| <input type="checkbox"/> Vetbond™ | 1 | Covetrus | 001505 | • Use to secure pressure catheter in place |

Mouse ECG (ETA-F10, SoHo-X01)

* 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 | 11054-10 | |
| <input type="checkbox"/> Forceps - Vessel dilator, angled | 2 | 2 | Fine Science Tools | 00276-13 | |
| <input type="checkbox"/> Hemostats - Crile, straight | 1 | N/A | Fine Science Tools | 13004-14 | <ul style="list-style-type: none"> • Use to create SQ pocket for device placement |
| <input type="checkbox"/> Scissors - Lexer-baby, straight | 2 | 2 | Fine Science Tools | 14078-10 | |
| <input type="checkbox"/> Scissors - Mayo | 1 | 1 | Fine Science Tools | 14010-15 | <ul style="list-style-type: none"> • Use for drape cutting |
| <input type="checkbox"/> Small gauge coupler kit | 1 | 1 | DSI | 276-0065-001 | <ul style="list-style-type: none"> • Use to couple and/or repair biopotential leads • Requires a crimp tool, sold separately • Contact your sales representative to order • Please see DSI's Lead Coupler Kit Manual for additional information |
| <input type="checkbox"/> Small gauge crimp tool | 1 | 1 | DSI | 276-0019-002 | <ul style="list-style-type: none"> • Contact your sales representative to order |
| <input type="checkbox"/> Hollow trocar | 1 | 1 | DSI | 370-0142-001 | <ul style="list-style-type: none"> • Use to tunnel biopotential leads • Contact your sales representative to order |
| <input type="checkbox"/> Wire cutter | 1 | 1 | Medline | MDS0883112 | <ul style="list-style-type: none"> • Use to cut biopotential leads |

| Item Name | Quantity | | Vendor | Part Number | Notes |
|---|----------|----|---------------------------------------|-------------|---|
| | SQ | IP | | | |
| <input type="checkbox"/> Wound clips, applicator, and remover | N/A | 1 | Protech International | 205060 | • Can use wound clips and applicator OR suture for skin closure depending on IACUC approval |

Disposable Supplies

| Item Name | Quantity | | Vendor | Part Number | Notes |
|--|----------|------|------------------------------------|---------------|---|
| | SQ | IP | | | |
| <input type="checkbox"/> Absorbent underpad | 1 | 1 | Grainger | 45FG81 | • Place under animal to absorb fluids, can be cut to size |
| <input type="checkbox"/> Cotton-tipped applicators | 2/pk | 2/pk | Covetrus | 034598 | |
| <input type="checkbox"/> Drape (either option) | 2 | 2 | Covetrus | 010408 | • Can be cut to size and sterilized |
| | 1 | 1 | Medline | DYNJP2405 | • Comes in sterile packs of 2 |
| <input type="checkbox"/> Gauze - 2x2" (5x5cm) | 1 | 1 | Medline | NON21224H | Comes in sterile packs of 2 |
| <input type="checkbox"/> Needle - 18g | N/A | 1 | Covetrus | 000238 | • Use to exteriorize biopotential leads |
| <input type="checkbox"/> Scalpel blade - #22 | 1 | 1 | Covetrus | 007325 | • Use to remove silicone tubing from leads |
| <input type="checkbox"/> Specimen cup | 1 | 1 | Covetrus | 002078 | • Use for sterile saline |
| <input type="checkbox"/> Suture - 5-0 non-absorbable braided with a taper needle | 1 | 1 | Various | Various | • Use for abdominal or neck closure and tacking leads |
| <input type="checkbox"/> Suture - 5-0 silk (no needle) | 1 | 1 | Fine Science Tools | 18020-50 | • Non-sterile, cut to 18" and sterilize before use in surgery |
| <input type="checkbox"/> Syringe - 3cc | 1 | 1 | Covetrus | 040848 | |
| <input type="checkbox"/> Syringe - Insulin | 1 | 1 | Medline | MHZ828555Z | • Use to apply analgesic |
| <input type="checkbox"/> Tape | 1 | 1 | Medline | ½": MMM15270Z | • Use to secure animal to workstation |
| | | | | 1": MMM15271Z | |

Rat ECG (CTA-F40, SoHo-S01)

* 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 | 11054-10 | |
| <input type="checkbox"/> Forceps - Vessel dilator, angled | 2 | 2 | Fine Science Tools | 00276-13 | |
| <input type="checkbox"/> Hemostats - Crile, straight | 1 | N/A | Fine Science Tools | 13004-14 | <ul style="list-style-type: none"> • Use to create SQ pocket for device placement |
| <input type="checkbox"/> Scissors - Lexer-baby, straight | 2 | 2 | Fine Science Tools | 14078-10 | |
| <input type="checkbox"/> Scissors - Mayo | 1 | 1 | Fine Science Tools | 14040-15 | <ul style="list-style-type: none"> • Use for drape cutting |
| <input type="checkbox"/> Standard lead coupler kit | 1 | 1 | DSI | 276-0031-001 | <ul style="list-style-type: none"> • Use to couple and/or repair biopotential leads • Requires a crimp tool, sold separately • Contact your sales representative to order • Please see DSI's Lead Coupler Kit Manual for additional information |
| <input type="checkbox"/> Standard lead crimp tool | 1 | 1 | DSI | 276-0019-001 | <ul style="list-style-type: none"> • Contact your sales representative to order |
| <input type="checkbox"/> Wire cutter | 1 | 1 | Medline | MDS0883112 | <ul style="list-style-type: none"> • Use to cut biopotential leads |
| <input type="checkbox"/> Wound clips, applicator, and remover | 1 | 1 | Protech International | 205060 | <ul style="list-style-type: none"> • Can use wound clips and applicator OR suture for skin closure depending on IACUC approval |
| <input type="checkbox"/> Hollow trocar | 1 | 1 | DSI | 370-0142-001 | <ul style="list-style-type: none"> • Use to tunnel biopotential leads • Contact your sales representative to order |

Disposable Supplies

| Item Name | Quantity | | Vendor | Part Number | Notes |
|---|----------|------|------------------------------------|---------------|---|
| | SQ | IP | | | |
| <input type="checkbox"/> Absorbent underpad | 1 | 1 | Grainger | 45FG81 | • Place under animal to absorb fluids, can be cut to size |
| <input type="checkbox"/> Cotton-tipped applicators | 2/pk | 2/pk | Medline | MDS202000ZZ | |
| <input type="checkbox"/> Drape (either option) | 2 | 2 | Covetrus | 010408 | • Can be cut to size and sterilized |
| | 1 | 1 | Medline | DYNJP2405 | • Comes in sterile packs of 2 |
| <input type="checkbox"/> Gauze - 4x4" (10x10cm) | 1 | 1 | Medline | KDL8044Z | • Comes in sterile packs of 2 |
| <input type="checkbox"/> Needle - 14g | 1 | 1 | Covetrus | 002075 | • Use to exteriorize ECG leads |
| <input type="checkbox"/> Needle - 20g | 1 | 1 | Covetrus | 000234 | • Use to place leads |
| <input type="checkbox"/> Scalpel blade - #22 | 1 | 1 | Covetrus | 007325 | • Blade only |
| <input type="checkbox"/> Specimen cup | 1 | 1 | Covetrus | 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 | 18020-50 | • Non-sterile, cut to 18" and sterilize before use in surgery |
| <input type="checkbox"/> Syringe - 10cc | 1 | 1 | Medline | B-D303134Z | |
| <input type="checkbox"/> Syringe - Insulin | 1 | 1 | Medline | MHZ828555Z | • Use to apply analgesic |
| <input type="checkbox"/> Tape | 1 | 1 | Medline | ½": MMM15270Z | • Use to secure animal to workstation |
| | | | | 1": MMM15271Z | |

Mouse EEG/EMG (F20-EET, HD-X02, SoHo-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 | D60 | <ul style="list-style-type: none"> • Use to bore holes in the skull |
| <input type="checkbox"/> Drill bit holder | 1 | 1 | Protech International | 8J582811VISE | <ul style="list-style-type: none"> • Hand drill |
| <input type="checkbox"/> Forceps - Graefe, curved, with teeth | 2 | 2 | Fine Science Tools | 11054-10 | |
| <input type="checkbox"/> Forceps - Vessel dilator, angled | 2 | 2 | Fine Science Tools | 00276-13 | |
| <input type="checkbox"/> Hemostats - Crile, straight | 1 | N/A | Fine Science Tools | 13004-14 | <ul style="list-style-type: none"> • Use to create the SQ pocket for device placement |
| <input type="checkbox"/> Metal ruler | 1 | 1 | McMaster-Carr | 2285A55 | <ul style="list-style-type: none"> • 5 3/4" high accuracy • Measures to 1/2 mm |
| <input type="checkbox"/> Needle holder - Olsen-Hegar, extra delicate | 1 | 1 | Fine Science Tools | 12002-12 | |
| <input type="checkbox"/> Scissors - Lexer-baby, straight | 2 | 2 | Fine Science Tools | 14078-10 | |
| <input type="checkbox"/> Scissors - Mayo | 1 | 1 | Fine Science Tools | 14010-15 | <ul style="list-style-type: none"> • Use for drape-cutting |
| <input type="checkbox"/> Flat tip screwdriver | 1 | 1 | Protech International | SD-96 | |
| <input type="checkbox"/> Skin hooks - elastic (3mm) | 2 | 2 | Henry Schein Dental | 1297141 | <ul style="list-style-type: none"> • Use for retraction |
| <input type="checkbox"/> Small gauge multi-color lead coupler kit | 1 | 1 | DSI | 276-0042-001 | <ul style="list-style-type: none"> • Use to couple and/or repair biopotential leads • Requires a crimp tool, sold separately • Contact your sales representative to order • Please see DSI's Lead Coupler Kit Manual for additional information |

| Item Name | Quantity | | Vendor | Part Number | Notes |
|---|----------|----|---------------------------------------|-------------------|---|
| | SQ | IP | | | |
| <input type="checkbox"/> Small gauge crimp tool | 1 | 1 | DSI | 276-0019-002 | <ul style="list-style-type: none"> Contact your sales representative to order |
| <input type="checkbox"/> Stereotaxic apparatus | 1 | 1 | Harvard Apparatus | Mouse: 75-1808 | <ul style="list-style-type: none"> Standard U-Frame with single manipulator Supports and steadies the head |
| <input type="checkbox"/> Stereotaxic nosecone | 1 | 1 | Harvard Apparatus | Mouse: 73-5011 | <ul style="list-style-type: none"> Non-intubating option for stereotaxic surgeries Contains a nose clamp to minimize head movement Works with standard U-frame – contact a sales representative before purchase to determine the best option for you |
| <input type="checkbox"/> Wire cutter | 1 | 1 | Medline | MDS0883112 | <ul style="list-style-type: none"> Use to cut biopotential leads |
| <input type="checkbox"/> Wound clips, applicator, and remover | 1 | 1 | Protech International | 205060 | <ul style="list-style-type: none"> Can use wound clips and applicator OR suture for skin closure depending on IACUC approval |

Disposable Supplies

| Item Name | Quantity | | Vendor | Part Number | Notes |
|--|----------|------|-------------------------------------|-------------|--|
| | SQ | IP | | | |
| <input type="checkbox"/> Absorbent underpad | 1 | 1 | Grainger | 45FG81 | <ul style="list-style-type: none"> Place under animal to absorb fluids, can be cut to size |
| <input type="checkbox"/> Cotton-tipped applicators | 2/pk | 2/pk | Medline | MDS202000ZZ | |
| <input type="checkbox"/> Dental acrylic - cartridge refill | 1 | 1 | Henry Schein Dental | 2229568 | |
| <input type="checkbox"/> Dental acrylic - kit | 1 | 1 | Henry Schein Dental | 2227850 | <ul style="list-style-type: none"> Contains dental acrylic, applicator, and mixing tips Refill cartridges and tips sold separately May require licensure to purchase (DEA, Vet, or similar) |
| <input type="checkbox"/> Dental acrylic - mixing tips | 2 | 2 | Henry Schein Dental | 2224922 | <ul style="list-style-type: none"> Autoclavable |
| <input type="checkbox"/> Drape (either option) | 2 | 2 | Covetrus | 010408 | <ul style="list-style-type: none"> Can be cut to size and sterilized |
| | 1 | 1 | Medline | DYNJP2405 | <ul style="list-style-type: none"> Comes in sterile packs of 2 |

| Item Name | Quantity | | Vendor | Part Number | Notes |
|---|----------|-----|------------------------------------|---------------|---|
| | SQ | IP | | | |
| <input type="checkbox"/> Gauze - 2x2" (5x5cm) | 1 | 1 | Medline | NON21224H | |
| <input type="checkbox"/> Needle - 18g | N/A | 1 | Covetrus | 000238 | • Use to exteriorize biopotential leads |
| <input type="checkbox"/> Needle - 22g | 1 | 1 | Covetrus | 034860 | • Use to place EMG leads |
| <input type="checkbox"/> Scalpel blade - #22 | 1 | 1 | Covetrus | 007325 | • Blade only • Use to remove silicone tubing from leads |
| <input type="checkbox"/> Uncoated mouse EEG screws | 2-4 | 2-4 | DSI | 012005-001 | • Non-sterile, must be sterilized before surgery • Shaft length 1.6mm, diameter 1.19mm • Contact your sales representative to order |
| <input type="checkbox"/> Specimen cup | 1 | 1 | Covetrus | 002078 | • Use for sterile saline |
| <input type="checkbox"/> Suture - 5-0 non-absorbable monofilament on a taper needle | 1 | 1 | Various | Various | • Use for head incision closure |
| <input type="checkbox"/> Suture - 5-0 silk (no needle) | 1 | 1 | Fine Science Tools | 18020-50 | • Non-sterile, cut to 18" and sterilize before use in surgery |
| <input type="checkbox"/> Syringe - 3cc | 1 | 1 | Covetrus | 040848 | |
| <input type="checkbox"/> Syringe - Insulin | 1 | 1 | Medline | MHZ828555Z | • Use to apply analgesic |
| <input type="checkbox"/> Tape | 1 | 1 | Medline | ½": MMM15270Z | • Use to secure animal to workstation |
| | | | | 1": MMM15271Z | |

Rat EEG/EMG (HD-S02, SoHo-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 | D56 | • Use to bore holes in the skull |
| <input type="checkbox"/> Drill bit holder | 1 | 1 | Protech International | 8J582811VISE | • Hand drill |
| <input type="checkbox"/> Forceps - Graefe, curved, with teeth | 2 | 2 | Fine Science Tools | 11054-10 | |
| <input type="checkbox"/> Forceps - Vessel dilator, angled | 2 | 2 | Fine Science Tools | 00276-13 | |
| <input type="checkbox"/> Hemostats - Crile, straight | 1 | N/A | Fine Science Tools | 13004-14 | • Use to create the SQ pocket for device placement |
| <input type="checkbox"/> Metal ruler | 1 | 1 | McMaster-Carr | 2285A55 | • 5 ¾" high accuracy • Measures to ½ mm |
| <input type="checkbox"/> Needle holder - Olsen-Hegar, extra delicate | 1 | 1 | Fine Science Tools | 12002-12 | |
| <input type="checkbox"/> Scissors - Lexer-baby, straight | 1 | 1 | Fine Science Tools | 14078-10 | |
| <input type="checkbox"/> Scissors - Mayo | 1 | 1 | Fine Science Tools | 14010-15 | • Use for drape-cutting |
| <input type="checkbox"/> Flat tip screwdriver | 1 | 1 | Protech International | SD-96 | |
| <input type="checkbox"/> Skin hooks - elastic (3mm) | 2 | 2 | Henry Schein Dental | 1297141 | • Use for retraction |
| <input type="checkbox"/> Small gauge multi-color lead coupler kit | 1 | 1 | DSI | 276-0042-001 | • Use to couple and/or repair biopotential leads • Requires a crimp tool, sold separately • Contact your sales representative to order • Please see DSI's Lead Coupler Kit Manual for additional information |

| Item Name | Quantity | | Vendor | Part Number | Notes |
|---|----------|----|---------------------------------------|-----------------|---|
| | SQ | IP | | | |
| <input type="checkbox"/> Small gauge crimp tool | 1 | 1 | DSI | 276-0019-002 | <ul style="list-style-type: none"> Contact your sales representative to order |
| <input type="checkbox"/> Stereotaxic apparatus | 1 | 1 | Harvard Apparatus | Rat: 75-1804 | <ul style="list-style-type: none"> Standard U-Frame with single manipulator Supports and steadies the head |
| <input type="checkbox"/> Stereotaxic nosecone | 1 | 1 | Harvard Apparatus | Rat: 73-4922 | <ul style="list-style-type: none"> Non-intubating option for stereotaxic surgeries Contains a nose clamp to minimize head movement Works with standard U-frame – contact a sales representative before purchase to determine the best option for you |
| <input type="checkbox"/> Wire cutter | 1 | 1 | Medline | MDS0883112 | <ul style="list-style-type: none"> Use to cut biopotential leads |
| <input type="checkbox"/> Wound clips, applicator, and remover | 1 | 1 | Protech International | 205060 | <ul style="list-style-type: none"> Can use wound clips and applicator OR suture for skin closure depending on IACUC approval |

Disposable Supplies

| Item Name | Quantity | | Vendor | Part Number | Notes |
|--|-----------|-----------|-------------------------------------|-------------|--|
| | SQ | IP | | | |
| <input type="checkbox"/> Absorbent underpad | 1 | 1 | Grainger | 45FG81 | <ul style="list-style-type: none"> Place under animal to absorb fluids, can be cut to size |
| <input type="checkbox"/> Cotton-tipped applicators | 20/ pk | 20/p k | Medline | MDS202055ZZ | <ul style="list-style-type: none"> Non-sterile, pack and sterilize before use in surgery |
| <input type="checkbox"/> Dental acrylic - cartridge refill | 1 | 1 | Henry Schein Dental | 2229568 | |
| <input type="checkbox"/> Dental acrylic - kit | 1 | 1 | Henry Schein Dental | 2227850 | <ul style="list-style-type: none"> Contains dental acrylic, applicator, and mixing tips Refill cartridges and tips sold separately May require licensure to purchase (DEA, Vet, or similar) |

| Item Name | Quantity | | Vendor | Part Number | Notes |
|---|----------|-----|-------------------------------------|---------------|---|
| | SQ | IP | | | |
| <input type="checkbox"/> Dental acrylic - mixing tips | 2 | 2 | Henry Schein Dental | 2224922 | • Autoclavable |
| <input type="checkbox"/> Drape (either option) | 2 | 2 | Covetrus | 010408 | • Can be cut to size and sterilized |
| | 1 | 1 | Medline | DYNJP2405 | • Comes in sterile packs of 2 |
| <input type="checkbox"/> Gauze - 4x4" (10x10cm) | 1 | 1 | Medline | KDL8044Z | • Comes in sterile packs of 2 |
| <input type="checkbox"/> Needle - 14g | N/A | 1 | Covetrus | 002075 | • Use to exteriorize biopotential leads |
| <input type="checkbox"/> Needle - 22g | 1 | 1 | Covetrus | 034860 | • Use to place EMG leads |
| <input type="checkbox"/> Scalpel blade - #22 | 1 | 1 | Covetrus | 007325 | • Blade only |
| <input type="checkbox"/> Uncoated rat EEG screws | 2-4 | 2-4 | DSI | 012006-001 | • Non-sterile, must be sterilized before surgery • 1.57mm shaft diameter, 1.6mm shaft length • Contact your sales representative to order |
| <input type="checkbox"/> Specimen cup | 1 | 1 | Covetrus | 002078 | • Use for sterile saline |
| <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 | 18020-50 | • Non-sterile, cut to 18" and sterilize before use in surgery |
| <input type="checkbox"/> Syringe - 10cc | 1 | 1 | Medline | B-D303134Z | |
| <input type="checkbox"/> Syringe - Insulin | 1 | 1 | Medline | MHZ828555Z | • Use to apply analgesic |
| <input type="checkbox"/> Tape | 1 | 1 | Medline | ½": MMM15270Z | • Use to secure animal to workstation |
| | | | | 1": MMM15271Z | |

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"/> Forceps - Graefe, curved, with teeth | 2 | Fine Science Tools | 11054-10 | |
| <input type="checkbox"/> Forceps - Suture tying, straight | 2 | Fine Science Tools | 00272-13 | |
| <input type="checkbox"/> Forceps - Vessel cannulation | 1 | Fine Science Tools | 00608-11 | • Use for handling pressure catheters |
| <input type="checkbox"/> Forceps - Vessel dilator, angled | 2 | Fine Science Tools | 00276-13 | |
| <input type="checkbox"/> Magnetic Arch - Assembly | 1 | DSI | 276-0079-001 | • Aids in retracting the abdominal wall to access the diaphragm • Contact your sales representative to order |
| <input type="checkbox"/> Magnetic Arch - Fixators | 4 | Fine Science Tools | 18200-01 | • Combine with magnetic arch assembly to hold wire hooks when retracting abdominal wall • Tall fixators not required |
| <input type="checkbox"/> Magnetic Arch - Base Plate | 1 | Fine Science Tools | 18200-03 | • Combine with Magnetic Arch Assembly to retract the abdominal wall |
| <input type="checkbox"/> Needle holder - Castroviejo | 1 | Fine Science Tools | 12060-01 | |
| <input type="checkbox"/> Needle holder - Olsen-Hegar, extra delicate | 1 | Fine Science Tools | 12002-12 | |
| <input type="checkbox"/> Needle holder - Olsen-Hegar, heavy | 2 | Fine Science Tools | 12002-14 | • Use to occlude vessel for systemic pressure catheter placement |
| <input type="checkbox"/> Regel syringe | 1 | DSI | 276-0038-001 | • Use to regel pressure catheters • Contact your sales representative to order |
| <input type="checkbox"/> Scissors - Lexer-baby, straight | 2 | Fine Science Tools | 14078-10 | |
| <input type="checkbox"/> Scissors - Mayo | 1 | Fine Science Tools | 14010-15 | • Use for drape-cutting |
| <input type="checkbox"/> Scissors - Tenotomy, supercut straight | 1 | World Precision Instruments | 14395 | • For cutting suture in the chest |
| <input type="checkbox"/> Scissors - Vannas, angled | 1 | World Precision Instruments | 503214 | • Use for incising the diaphragm • 45° angled blades |

| Item Name | Quantity | Vendor | Part Number | Notes |
|---|----------|---------------------------------------|--------------|---|
| <input type="checkbox"/> Skin hooks - elastic (5mm) | 2 | Henry Schein Dental | 1297140 | <ul style="list-style-type: none"> • Only necessary for systemic pressure catheter placement |
| <input type="checkbox"/> Skin hooks - wire | 4 | McMaster-Carr | 8908K32 | <ul style="list-style-type: none"> • 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 | 276-0031-001 | <ul style="list-style-type: none"> • Use to couple and/or repair biopotential leads • Requires a crimp tool, sold separately • Contact your sales representative to order • Please see DSI's Lead Coupler Kit Manual for additional information |
| <input type="checkbox"/> Standard lead crimp tool | 1 | DSI | 276-0019-001 | <ul style="list-style-type: none"> • Contact your sales representative to order |
| <input type="checkbox"/> Hollow trocar | 1 | DSI | 370-0142-001 | <ul style="list-style-type: none"> • Use to tunnel biopotential leads and/or catheter • Contact your sales representative to order |
| <input type="checkbox"/> Ventilator (VentElite) | 1 | Harvard Apparatus | 55-7040 | <ul style="list-style-type: none"> • Required for any open chest procedure • Additional accessories to ventilate the animal (e.g. endotracheal tubes or non-intubating nosecone) must be purchased separately |
| <input type="checkbox"/> Non-intubating nosecone | 1 | VetEquip | 921465 | <ul style="list-style-type: none"> • Non-intubating option for open chest procedures • Contains orange foam nose cones, Y connector, and rubber bands • May not work with all types of ventilators - check with vendor before purchase |
| <input type="checkbox"/> Wire cutter | 1 | Medline | MDS0883112 | <ul style="list-style-type: none"> • Use to cut biopotential leads |
| <input type="checkbox"/> Wound clips, applicator, and remover | 1 | Protech International | 205060 | <ul style="list-style-type: none"> • Can use wound clips and applicator 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 | 45FG81 | <ul style="list-style-type: none"> Place under animal to absorb fluids, can be cut to size |
| <input type="checkbox"/> Absorption triangles, unmounted | 6-8 | Fine Science Tools | 18105-03 | <ul style="list-style-type: none"> Non-sterile, pack and sterilize before use in surgery |
| <input type="checkbox"/> Butterfly catheter - 25g x 3/4" | 1 | Medline | TMOSV25BLKZ | <ul style="list-style-type: none"> Evacuate air from the thoracic cavity after closure |
| <input type="checkbox"/> Fiber patch | 1 | DSI | 370-0036-001 | <ul style="list-style-type: none"> Encourages connective tissue growth Helps keep blood pressure catheter in place in rats (aorta) Contact your sales representative to order |
| <input type="checkbox"/> Cotton-tipped applicators | 20/pk | Medline | MDS202055ZZ | <ul style="list-style-type: none"> Non-sterile, pack and sterilize before use in surgery |
| <input type="checkbox"/> Drape (either option) | 2 | Covetrus | 010408 | <ul style="list-style-type: none"> Can be cut to size and sterilized |
| | 1 | Medline | DYNJP2405 | <ul style="list-style-type: none"> Comes in sterile packs of 2 |
| <input type="checkbox"/> Gauze - 2x2" (5x5cm) | 2 | Medline | NON21224H | <ul style="list-style-type: none"> Comes in sterile packs of 2 |
| <input type="checkbox"/> Gauze - 4x4" (10x10cm) | 2 | Medline | KDL8044Z | <ul style="list-style-type: none"> Comes in sterile packs of 2 |
| <input type="checkbox"/> Needle - 14g | 1 | Covetrus | 002075 | <ul style="list-style-type: none"> Use to exteriorize ECG leads and/or catheter |
| <input type="checkbox"/> Needle - 20g | 2 | Covetrus | 000234 | <ul style="list-style-type: none"> Use to puncture the heart 1 additional can be used to place leads |
| <input type="checkbox"/> Needle - 22g | 1 | Covetrus | 000224 | <ul style="list-style-type: none"> Use as catheter introducer into the aorta |
| <input type="checkbox"/> Pipette tips | 2 | Fischer Scientific | 02-707-82 | <ul style="list-style-type: none"> For applying Vetbond™ Sterilize before use |
| <input type="checkbox"/> Scalpel blade - #22 | 1 | Covetrus | 007325 | <ul style="list-style-type: none"> Blade only |
| <input type="checkbox"/> Specimen cup | 1 | Covetrus | 002078 | <ul style="list-style-type: none"> Use for sterile saline |
| <input type="checkbox"/> Suture - 4-0 non-absorbable braided on a taper needle | 1 | Various | Various | <ul style="list-style-type: none"> Use for abdominal closure |
| <input type="checkbox"/> Suture - 5-0 non-absorbable suture (no needle) | 1 | Various | Various | <ul style="list-style-type: none"> Tie around suture aid of LV catheter Can purchase with needle and trim to size (3") either at surgery, or pre-make sterilized packs |

| Item Name | Quantity | Vendor | Part Number | Notes |
|---|----------|------------------------------------|---------------|---|
| <input type="checkbox"/> Suture - 5-0 silk (no needle) | 1 | Fine Science Tools | 18020-50 | • Non-sterile, cut to 18" and sterilize before use in surgery |
| <input type="checkbox"/> Suture - 6-0 silk with curved taper needle | 1 | Medline | SUSD707N | • Use on heart or diaphragm |
| <input type="checkbox"/> Syringe - 1cc | 1 | Covetrus | 040847 | • Only necessary for systemic pressure catheter placement |
| <input type="checkbox"/> Syringe - 10cc | 1 | Medline | B-D303134Z | |
| <input type="checkbox"/> Syringe - Insulin | 1 | Medline | MHZ828555Z | • Use to apply analgesic |
| <input type="checkbox"/> Tape | 1 | Medline | ½": MMM15270Z | • Use to secure animal to workstation |
| | | | 1": MMM15271Z | |
| <input type="checkbox"/> Vetbond™ | 1 | Covetrus | 001505 | • Use to secure pressure catheter in place |

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 | 023305 | |
| <input type="checkbox"/> Clamps - Micro bulldog | 2 | World Precision Instruments | 14119 | • Use for holding suture during rib closure |
| <input type="checkbox"/> Forceps - Graefe, curved, with teeth | 2 | Fine Science Tools | 11054-10 | |
| <input type="checkbox"/> Forceps - Suture tying, straight | 2 | Fine Science Tools | 00272-13 | |
| <input type="checkbox"/> Forceps - Vessel cannulation | 1 | Fine Science Tools | 00608-11 | • Use for handling pressure catheters |
| <input type="checkbox"/> Forceps - Vessel dilator, angled | 2 | Fine Science Tools | 00276-13 | |
| <input type="checkbox"/> Needle holder - Castroviejo | 1 | Fine Science Tools | 12060-01 | |
| <input type="checkbox"/> Needle holder - Olsen-Hegar, extra delicate | 1 | Fine Science Tools | 12002-12 | |
| <input type="checkbox"/> Needle holder - Olsen-Hegar, heavy | 2 | Fine Science Tools | 12002-14 | • Use to occlude vessel for systemic pressure catheter placement |
| <input type="checkbox"/> Regel syringe | 1 | DSI | 276-0038-001 | • Use to regel pressure catheters • Contact your sales representative to order |
| <input type="checkbox"/> Retractor - Alms, small | 1 | Fine Science Tools | 17009-08 | • Aid in opening rib space |
| <input type="checkbox"/> Scissors - Lexer-baby, straight | 2 | Fine Science Tools | 14078-10 | |
| <input type="checkbox"/> Scissors - Mayo | 1 | Fine Science Tools | 14040-15 | • Use for drape-cutting |
| <input type="checkbox"/> Scissors - Tenotomy, straight | 1 | World Precision Instruments | 014395 | • For cutting suture in the chest |
| <input type="checkbox"/> Skin hooks - elastic (5mm) | 2 | Henry Schein Dental | 1297140 | • Only necessary for systemic pressure catheter placement |

| Item Name | Quantity | Vendor | Part Number | Notes |
|---|----------|---------------------------------------|--------------|---|
| <input type="checkbox"/> Standard lead coupler kit | 1 | DSI | 276-0031-001 | <ul style="list-style-type: none"> • Use to couple and/or repair biopotential leads • Requires a crimp tool, sold separately • Contact your sales representative to order • Please see DSI's Lead Coupler Kit Manual for additional information |
| <input type="checkbox"/> Standard lead crimp tool | 1 | DSI | 276-0019-001 | <ul style="list-style-type: none"> • Contact your sales representative to order |
| <input type="checkbox"/> Hollow trocar | 1 | DSI | 370-0142-001 | <ul style="list-style-type: none"> • Use to tunnel biopotential leads and/or catheter • Contact your sales representative to order |
| <input type="checkbox"/> Ventilator (VentElite) | 1 | Harvard Apparatus | 55-7040 | <ul style="list-style-type: none"> • Required for any open chest procedure • Additional accessories to ventilate the animal (e.g. endotracheal tubes or non-intubating nosecone) must be purchased separately |
| <input type="checkbox"/> Non-intubating nosecone | 1 | VetEquip | 921465 | <ul style="list-style-type: none"> • Non-intubating option for open chest procedures • Contains orange foam nose cones, Y connector, and rubber bands • May not work with all types of ventilators - check with vendor before purchase |
| <input type="checkbox"/> Wire cutter | 1 | Medline | MDS0883112 | <ul style="list-style-type: none"> • Use to cut biopotential leads |
| <input type="checkbox"/> Wound clips, applicator, and remover | 1 | Protech International | 205060 | <ul style="list-style-type: none"> • Can use wound clips and applicator 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 | 45FG81 | <ul style="list-style-type: none"> Place under animal to absorb fluids, can be cut to size |
| <input type="checkbox"/> Absorption triangles, unmounted | 6-8 | Fine Science Tools | 18105-03 | <ul style="list-style-type: none"> Non-sterile, pack and sterilize before use in surgery |
| <input type="checkbox"/> Butterfly catheter - 25g | 1 | Medline | TMOSV25BLKZ | <ul style="list-style-type: none"> Evacuate air from the thoracic cavity after closure |
| <input type="checkbox"/> Fiber patch | 1 | DSI | 370-0036-001 | <ul style="list-style-type: none"> Encourages connective tissue growth Helps keep blood pressure catheter in place in rats (aorta) Contact your sales representative to order |
| <input type="checkbox"/> Cotton-tipped applicators | 20/pk | Medline | MDS202055ZZ | <ul style="list-style-type: none"> Non-sterile, pack and sterilize before use in surgery |
| <input type="checkbox"/> Drape (either option) | 2 | Covetrus | 010408 | <ul style="list-style-type: none"> Can be cut to size and sterilized |
| | 1 | Medline | DYNJP2405 | <ul style="list-style-type: none"> Comes in sterile packs of 2 |
| <input type="checkbox"/> Gauze - 2x2" (5x5cm) | 2 | Medline | NON21224H | <ul style="list-style-type: none"> Comes in sterile packs of 2 |
| <input type="checkbox"/> Gauze - 4x4" (10x10cm) | 2 | Medline | KDL8044Z | <ul style="list-style-type: none"> Comes in sterile packs of 2 |
| <input type="checkbox"/> Needle - 14g | 1 | Covetrus | 002075 | <ul style="list-style-type: none"> Use to exteriorize biopotential leads and/or catheter |
| <input type="checkbox"/> Needle - 20g | 1 | Covetrus | 000234 | <ul style="list-style-type: none"> Use to place leads |
| <input type="checkbox"/> Needle - 22g | 1 | Covetrus | 000224 | <ul style="list-style-type: none"> Use as catheter introducer into the aorta |
| <input type="checkbox"/> Needle - 23g | 1 | Covetrus | 062391 | <ul style="list-style-type: none"> Use to puncture the heart |
| <input type="checkbox"/> Pipette tips | 2 | Fischer Scientific | 02-707-82 | <ul style="list-style-type: none"> For applying Vetbond™ Sterilize before use |
| <input type="checkbox"/> Scalpel blade - #22 | 2 | Covetrus | 007325 | <ul style="list-style-type: none"> 1 for systemic pressure/ECG, 1 for PAP Blade only |
| <input type="checkbox"/> Specimen cup | 1 | Covetrus | 002078 | <ul style="list-style-type: none"> Use for sterile saline |
| <input type="checkbox"/> Suture - 4-0 non-absorbable braided on a taper needle | 1 | Various | Various | <ul style="list-style-type: none"> Use for rib closure and abdominal closure (absorbable suture can be used on ribs if required) |

| Item Name | Quantity | Vendor | Part Number | Notes |
|---|----------|------------------------------------|--------------------------------|--|
| <input type="checkbox"/> Suture - 5-0 absorbable monofilament on a cutting needle | 1 | Various | Various | • Use for intradermal skin closure |
| <input type="checkbox"/> Suture - 5-0 absorbable monofilament on a taper needle | 1 | Various | Various | • Use for muscle and subcutaneous closure |
| <input type="checkbox"/> Suture - 5-0 silk (no needle) | 1 | Fine Science Tools | 18020-50 | • Non-sterile, cut to 18" and sterilize before use in surgery • Only necessary for BP/ECG |
| <input type="checkbox"/> Suture - 6-0 silk on a taper needle | 1 | Medline | SUSD707N | • Use for purse-string on heart |
| <input type="checkbox"/> Syringe - 1cc | 1 | Covetrus | 040847 | • Only necessary for systemic pressure catheter placement |
| <input type="checkbox"/> Syringe - 10cc | 1 | Medline | B-D303134Z | |
| <input type="checkbox"/> Syringe - Insulin | 1 | Medline | MHZ828555Z | • Use to apply analgesic |
| <input type="checkbox"/> Tape | 1 | Medline | ½": MMM15270Z 1": MMM15271Z | • Use to secure animal to workstation |
| <input type="checkbox"/> Vetbond™ | 1 | Covetrus | 001505 | • Use to secure pressure catheter in place |

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 | 11054-10 | |
| <input type="checkbox"/> Forceps - Vessel cannulation | 1 | 1 | Fine Science Tools | 00608-11 | • Use for handling glucose sensor |
| <input type="checkbox"/> Forceps - Vessel dilator, angled | 2 | 2 | Fine Science Tools | 00276-13 | |
| <input type="checkbox"/> Hemostats - Crile, straight | 1 | N/A | Fine Science Tools | 13004-14 | • Use to create SQ pocket for device placement |
| <input type="checkbox"/> Metal ruler | 1 | 1 | McMaster-Carr | 2285A55 | • 5 ¾" high accuracy • Measures to ½ mm |
| <input type="checkbox"/> Needle holder - Olsen-Hegar, extra delicate | 1 | 1 | Fine Science Tools | 12002-12 | |
| <input type="checkbox"/> Scissors - Lexer-baby, straight | 2 | 2 | Fine Science Tools | 14078-10 | |
| <input type="checkbox"/> Scissors - Mayo | 1 | 1 | Fine Science Tools | 14040-15 | • Use for drape cutting |
| <input type="checkbox"/> Skin hooks - elastic (3mm) | 2 | 2 | Henry Schein Dental | 1297141 | • Use for retraction |
| <input type="checkbox"/> Hollow trocar | N/A | 1 | DSI | 370-0142-001 | • Use to tunnel sensor • Contact your sales representative to order |
| <input type="checkbox"/> Wound clips, applicator, and remover | 1 | 1 | Protech International | 205060 | • Can use wound clips and applicator OR suture for skin closure depending on IACUC approval |

Disposable Supplies

| Item Name | Quantity | | Vendor | Part Number | Notes |
|--|----------|------|------------------------------------|---------------|---|
| | SQ | IP | | | |
| <input type="checkbox"/> Absorbent underpad | 1 | 1 | Grainger | 45FG81 | • Place under animal to absorb fluids, can be cut to size |
| <input type="checkbox"/> Cotton-tipped applicators | 2/pk | 2/pk | Medline | MDS202000ZZ | |
| <input type="checkbox"/> Drape (either option) | 2 | 2 | Covetrus | 010408 | • Can be cut to size and sterilized |
| | 1 | 1 | Medline | DYNJP2405 | • Comes in sterile packs of 2 |
| <input type="checkbox"/> Gauze - 2x2" (5x5cm) | 1 | 1 | Medline | NON21224H | • Comes in sterile packs of 2 |
| <input type="checkbox"/> Needle - 18g | N/A | 1 | Covetrus | 000238 | • Use to exteriorize glucose sensor |
| <input type="checkbox"/> Needle - 25g | 1 | 1 | Covetrus | 000224 | • Use as catheter introducer into the carotid artery |
| <input type="checkbox"/> Specimen cup | 1 | 1 | Covetrus | 002078 | • Use for sterile saline |
| <input type="checkbox"/> Suture - 5-0 non-absorbable braided 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 | 18020-50 | • Non-sterile, cut to 18" and sterilize before use in surgery |
| <input type="checkbox"/> Syringe - 1cc | 1 | 1 | Covetrus | 040847 | |
| <input type="checkbox"/> Syringe - 3cc | 1 | 1 | Covetrus | 040848 | |
| <input type="checkbox"/> Syringe - Insulin | 1 | 1 | Medline | MHZ828555Z | • Use to apply analgesic |
| <input type="checkbox"/> Tape | 1 | 1 | Medline | ½": MMM15270Z | • Use to secure animal to workstation |
| | | | | 1": MMM15271Z | |

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 | 11054-10 | |
| <input type="checkbox"/> Forceps - Vessel cannulation | 1 | Fine Science Tools | 00608-11 | • Use for handling glucose sensor |
| <input type="checkbox"/> Forceps - Vessel dilator, angled | 2 | Fine Science Tools | 00276-13 | |
| <input type="checkbox"/> Needle holder - Olsen-Hegar, extra delicate | 1 | Fine Science Tools | 12002-12 | |
| <input type="checkbox"/> Needle holder - Olsen-Hegar, heavy | 2 | Fine Science Tools | 12002-14 | • Use to occlude vessel for sensor placement |
| <input type="checkbox"/> Scissors - Lexer-baby, straight | 2 | Fine Science Tools | 14078-10 | |
| <input type="checkbox"/> Scissors - Metzenbaum-baby, straight | 1 | Fine Science Tools | 14018-14 | |
| <input type="checkbox"/> Scissors - Mayo | 1 | Fine Science Tools | 14040-15 | • Use for drape cutting |
| <input type="checkbox"/> Skin hooks - elastic (5mm) | 2 | Henry Schein Dental | 1297140 | • Use for retraction |
| <input type="checkbox"/> Wound clips, applicator, and remover | 1 | Protech International | 205060 | • Can use wound clips and applicator 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 | 45FG81 | • Place under animal to absorb fluids, can be cut to size |
| <input type="checkbox"/> Fiber patch | 2 | DSI | 370-0036-001 | • Encourages connective tissue growth • Helps keep sensor in place • Contact your sales representative to order |
| <input type="checkbox"/> Cotton-tipped applicators | 20/pk | Medline | MDS202055ZZ | • Non-sterile, pack and sterilize before use in surgery |

| Item Name | Quantity | Vendor | Part Number | Notes |
|---|----------|------------------------------------|------------------|---|
| <input type="checkbox"/> Drape (either option) | 2 | Covetrus | 010408 | • Can be cut to size and sterilized |
| | 1 | Medline | DYNJP2405 | • Comes in sterile packs of 2 |
| <input type="checkbox"/> Gauze - 2x2" (5x5cm) | 1 | Medline | NON21224H | • Comes in sterile packs of 2 |
| <input type="checkbox"/> Gauze - 4x4" (10x10cm) | 1 | Medline | KDL8044Z | • Comes in sterile packs of 2 |
| <input type="checkbox"/> Needle - 25g | 1 | Covetrus | 000224 | • Use as catheter introducer into the aorta |
| <input type="checkbox"/> Pipette tips | 2 | Fischer Scientific | 02-707-82 | • For applying Vetbond™ • Sterilize before use |
| <input type="checkbox"/> Scalpel blade - #22 | 1 | Covetrus | 007325 | • Blade only |
| <input type="checkbox"/> Specimen cup | 1 | Covetrus | 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 reference electrode |
| <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 | 18020-50 | • Non-sterile, cut to 18" and sterilize before use in surgery |
| <input type="checkbox"/> Syringe - 1cc | 1 | Covetrus | 040847 | |
| <input type="checkbox"/> Syringe - 10cc | 1 | Medline | B-D303134Z | |
| <input type="checkbox"/> Syringe - Insulin | 1 | Medline | MHZ828555Z | • Use to apply analgesic |
| <input type="checkbox"/> Tape | 1 | Medline | ½": MMM15270Z | • Use to secure animal to workstation |
| | | | 1": MMM15271Z | |
| <input type="checkbox"/> Vetbond™ | 1 | Covetrus | 001505 | • Use to secure sensor in place |