• PRECISION
• HIGH QUALITY
• OPTIMUM PERFORMANCE
• GERMAN MADE
• ECONOMICAL

PRECISION SURGICAL INSTRUMENTS FOR RESEARCH

HARVARD APPARATUS
72-8481: Tungsten Carbide Metzenbaum - Delicate, Dissecting Scissors, 15.5 cm, Straight, with Tungsten Carbide Inserts

72-8503: Vannas Eye Scissors, 8.5 cm, Straight, Spring Action

72-8547: Adson Tissue Forceps, 12.0 cm, 1 x 2 Teeth
Harvard Apparatus offers a full line of precise, high quality surgical tools ideal for animal and cellular research. These instruments are made from certified surgical grade German steel. They are forged and finished in a German ISO 9001 facility.

The Harvard Apparatus surgical instruments are available in several materials including Stainless Steel, Tungsten Carbide, Titanium, Diamond and UltraEdge. Stainless Steel is a popular choice, but in some cases another material may be a better option. Tungsten Carbide scissors last almost two times longer than stainless steel. The increased length of useful wear may be worth the extra cost. Titanium is over 40% lighter than equivalent stainless steel instruments, with better flexibility and strength. Titanium is 100% non-magnetic.

Harvard Apparatus surgical instruments are available for purchase individually, but for your convenience we have created research surgical kits suitable for a wide variety of applications. There are general purpose kits as well as kits designed for specific surgeries. These kits offer a significant cost savings over the individual purchase price.

Our selection of fine surgical instruments includes a wide variety of tweezers, forceps, scissors, bone instruments, surgical and vascular clips and clamps, scalpels, retractors, wound closure, vascular access instruments, instrument care and handling products, magnification, operating lights and much more.

The importance of properly selecting and using surgical instruments cannot be overstated. Harvard Apparatus offers a full line of high quality and affordably priced surgical tools to meet your needs as well as the expertise to assist you in your selection.
Research Surgical Kits

Having the right surgical instruments on hand for specific applications usually involves poring through pages of catalogs and hoping that you choose wisely. With the Harvard Apparatus Research Surgical Kits we have taken the guess work out of it. Researchers can now direct their time where it is most valuable - their research.

Rat/Guinea Pig Isolated Heart Surgical Kit

<table>
<thead>
<tr>
<th>Rat/Guinea Pig Isolated Heart Surgical Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Order #</strong></td>
</tr>
<tr>
<td>72-8998</td>
</tr>
<tr>
<td><strong>Kit Components:</strong></td>
</tr>
<tr>
<td>51-7698</td>
</tr>
<tr>
<td>72-8402</td>
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<tr>
<td>72-8949</td>
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<tr>
<td>72-8497</td>
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<td>72-8614</td>
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<tr>
<td>72-8973</td>
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<td>72-8817</td>
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Mouse Isolated Heart Surgical Kit

<table>
<thead>
<tr>
<th>Mouse Isolated Heart Surgical Kit</th>
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<tbody>
<tr>
<td><strong>Order #</strong></td>
</tr>
<tr>
<td>72-8999</td>
</tr>
<tr>
<td><strong>Kit Components:</strong></td>
</tr>
<tr>
<td>51-7680</td>
</tr>
<tr>
<td>72-8591</td>
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<tr>
<td>72-8440</td>
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<tr>
<td>72-8688</td>
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<tr>
<td>61-0196</td>
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<tr>
<td>72-8508</td>
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</tbody>
</table>

*Note: The Tübingen model has a longer blade than the standard Vannas scissors.
Rat/Guinea Pig Isolated Organ Surgical Kit

<table>
<thead>
<tr>
<th>Order #</th>
<th>Product</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-8996</td>
<td>Rat/Guinea Pig Isolated Organ Surgical Kit</td>
</tr>
</tbody>
</table>

**Kit Components:**
- 51-7698 Suture without Needle, Silk Black Braid, 4-0, 100 yards
- 72-8402 Operating Scissors, 13.0 cm, Sharp/Sharp, Straight
- 72-8949 Dressing Forceps, 13.0 cm, Straight, Slender
- 72-8428 Eye Scissors, 11.5 cm, Straight
- 72-8600 Graefe Iris Forceps, Serrated, 7.0 cm, Curved, Points 1.0 mm, pkg. of 2
- 72-8976 HALSTEAD-MOSQUITO, Hemostatic Forceps, 14.0 cm, Straight
- 72-8960 HARTMANN, Hemostatic Forceps, 10.0 cm, Curved

Mouse Isolated Organ Surgical Kit

<table>
<thead>
<tr>
<th>Order #</th>
<th>Product</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-8997</td>
<td>Mouse Isolated Organ Surgical Kit</td>
</tr>
</tbody>
</table>

**Kit Components:**
- 51-7680 Suture without Needle, Silk Black Braid, 5-0, 100 yards
- 72-8591 Graefe Iris Forceps, Serrated, 10.0 cm, Straight, Points 0.7 mm
- 72-8440 Eye Scissors, 11.5 cm, Straight, Special Cut
- 72-8966 MICRO-MOSQUITO, Hemostatic Forceps, 10.0 cm, Curved
- 72-8973 HALSTEAD-MOSQUITO, Hemostatic Forceps, 12.5 cm, Straight
- 72-8508 Vannas Eye Scissors, Spring Action Model Tübingen, 8.5 cm, Straight*
- 72-8598 Graefe Iris Forceps, Serrated, 7.0 cm, Curved Points 0.5 mm

*Note: The Tübingen model has a longer blade than the standard Vannas scissors.

Rodent Microsurgical Kit

<table>
<thead>
<tr>
<th>Order #</th>
<th>Product</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-9042</td>
<td>Rodent Microsurgical Kit</td>
</tr>
</tbody>
</table>

**Kit Components:**
- 72-0461 Jeweler’s Forceps, Titanium, 11.0 cm, No. 4, Extra Delicate Tips, 45° Angle
- 72-0443 Micro Forceps, 18.0 cm with Suture Platform, 0.3 mm, Curved
- 72-0442 Micro Forceps, 18.0 cm with Suture Platform, 0.3 mm, Straight
- 72-0141 Gerald Dressing Forceps, 17.5 cm, Straight
- 72-0142 Gerald Dressing Forceps, 17.5 cm, Curved
- 72-0144 Vannas Microscissors with Round Handle, 12.0 cm, Sharp/Sharp, Curved
- 72-0145 Barraquer Needle Holder with Rachet and Round Handle, 14.0 cm, Straight
- 72-8898 TC Olsen-Hegar Needle Holders with Scissors with Tungsten-Carbide Inserts, 12.0 cm
- 72-8573 Adson Tissue Forceps, 12.0 cm, 1 x 2 Teeth, with Suture Platform, 2 Stoppings, 0.8 mm
- 72-8428 Eye Scissors, 11.5 cm, Straight

To order call 1-508-893-8999  email techsupport@harvardapparatus.com  web www.harvardapparatus.com
Rodent Microdialysis Surgical Kit

<table>
<thead>
<tr>
<th>Order #</th>
<th>Product</th>
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</thead>
<tbody>
<tr>
<td>72-8994</td>
<td>Rodent Microdialysis Surgical Kit</td>
</tr>
</tbody>
</table>

Kit Components:
- 72-8360 Scalpel Blades No. 10, Sterile, pkg. of 100
- 72-8350 Scalpel Handle, No. 3
- 72-8426 Dieffenbach Vessel Clips, 35 mm, Straight, pkg. of 2
- 72-8393 Operating Scissors, 14.5 cm, Sharp/Blunt, Straight
- 72-8696 Vannas Eye Scissors, Spring Action Model Tübingen, 8.5 cm, Straight*
- 72-8604 Graefe Iris Forceps, Serrated, 10.0 cm, Curved, Points, 0.7 mm
- 72-8884 TC Derf Needle Holders with Tungsten Carbide Inserts, 12.0 cm, Extra Delicate Jaw
- CMA7431058 Trephine Drill Bits, pkg. of 3
- CMA8003264 Anchor Screw Drill Bits, pkg. of 3
- CMA7431021 Anchor Screws, pkg. of 100

*Note: The Tübingen model has a longer blade than the standard Vannas scissors.

Rat Surgical Kit

<table>
<thead>
<tr>
<th>Order #</th>
<th>Product</th>
</tr>
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<tbody>
<tr>
<td>72-8942</td>
<td>Rat Surgical Kit</td>
</tr>
</tbody>
</table>

Kit Components:
- 72-8372 Disposable Scalpels with Plastic Handle No. 11, Sterile, Box of 10
- 72-8696 Jeweler’s Forceps 11.0 cm No. 5, with Extra Delicate Points
- 72-8503 Vannas Eye Scissors, 8.5 cm Straight, Spring Action
- 72-8604 Graefe Iris Forceps, Serrated, 10.0 cm, Curved, Points, 0.7 mm
- 72-8440 Eye Scissors, 11.5 cm, Straight, Special Cut
- 72-8919 Barraquer (Colibri) Eye Specula, Large
- 72-8844 Olsen-Hegar Needle Holder with Scissors, 11.5 cm
- 72-8912 Probe, 14.5 cm, Double Ended, 1 mm Diameter

Mouse Surgical Kit

<table>
<thead>
<tr>
<th>Order #</th>
<th>Product</th>
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</thead>
<tbody>
<tr>
<td>72-8943</td>
<td>Mouse Surgical Kit</td>
</tr>
</tbody>
</table>

Kit Components:
- 72-8372 Disposable Scalpels with Plastic Handle No. 11, Sterile, Box of 10
- 72-8696 Jeweler’s Forceps 11.0 cm No. 5, with Extra Delicate Points
- 72-8503 Vannas Eye Scissors, 8.5 cm Straight, Spring Action
- 72-8604 Graefe Iris Forceps, Serrated, 10.0 cm, Curved, Points, 0.7 mm
- 72-8426 Eye Scissors, 10.5 cm, Straight
- 72-8918 Barraquer (Colibri) Eye Specula, Small
- 72-8826 Derf Needle Holders, 12.0 cm
- 72-8912 Probe, 14.5 cm, Double Ended, 1 mm Diameter
## Minor Surgical Kit

<table>
<thead>
<tr>
<th>Order #</th>
<th>Product</th>
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<tbody>
<tr>
<td>72-8350</td>
<td>Scalpel Handle, No. 3</td>
</tr>
<tr>
<td>72-8360</td>
<td>Scalpel Blades No. 10, Sterile</td>
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<tr>
<td>72-8441</td>
<td>Eye Scissors, 11.5 cm, Curved, Special Cut</td>
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<tr>
<td>72-8906</td>
<td>Blumenthal Bone Rongeurs, Curved, 15.5 cm</td>
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<tr>
<td>72-8450</td>
<td>Universal Clothing Scissors</td>
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<tr>
<td>72-8393</td>
<td>Operating Scissors, 14.5 cm, Sharp/Blunt, Straight</td>
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<tr>
<td>72-8676</td>
<td>Kuehne Cover Glass Forceps, 10 cm, Angled</td>
</tr>
<tr>
<td>72-8696</td>
<td>Jeweler’s Forceps, No. 5, 11 cm, with Extra Delicate Points</td>
</tr>
<tr>
<td>72-8912</td>
<td>Probe, 14.5 cm, Double Ended, 1 mm Diameter</td>
</tr>
</tbody>
</table>

## Deluxe Major Surgical Kit

<table>
<thead>
<tr>
<th>Order #</th>
<th>Product</th>
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<tbody>
<tr>
<td>72-8350</td>
<td>Scalpel Handle, No. 3</td>
</tr>
<tr>
<td>72-8360</td>
<td>Scalpel Blades No. 10, Sterile</td>
</tr>
<tr>
<td>72-8362</td>
<td>Scalpel Blades No. 11, Sterile</td>
</tr>
<tr>
<td>72-8508</td>
<td>Vannas Eye Scissors, Spring Action Model Tübingen, 8.5 cm, Straight*</td>
</tr>
<tr>
<td>72-8899</td>
<td>TC Olsen-Hegar Needle Holders with Scissors with Tungsten Carbide Inserts, 14.0 cm</td>
</tr>
<tr>
<td>72-8440</td>
<td>Eye Scissors, 11.5 cm, Straight, Special Cut</td>
</tr>
<tr>
<td>72-8696</td>
<td>Jeweler’s Forceps, 11.0 cm, No. 5, with Extra Delicate Points</td>
</tr>
<tr>
<td>72-8598</td>
<td>Graef Iris Forceps, 11.0 cm, Curved, Points 0.5 mm</td>
</tr>
<tr>
<td>72-8394</td>
<td>UltraEdge Operating Scissors, 14.5 cm, Sharp/Blunt, Straight</td>
</tr>
<tr>
<td>72-8450</td>
<td>Universal Clothing Scissors</td>
</tr>
<tr>
<td>72-8905</td>
<td>Friedman Bone Rongeurs, Delicate</td>
</tr>
<tr>
<td>72-8547</td>
<td>Adson Tissue Forceps, 12.0 cm, 1x2 Teeth</td>
</tr>
<tr>
<td>72-8919</td>
<td>Barraquer (Colibri) Eye Specula, Large</td>
</tr>
<tr>
<td>72-8912</td>
<td>Probes, 14.5 cm, Double Ended, 1 mm, Diamond</td>
</tr>
</tbody>
</table>

*Note: The Tübingen model has a longer blade than the standard Vannas scissors.
Care and Maintenance

Protect your investment by taking care of your surgical instruments. Properly cleaning and maintaining your surgical tools is extremely important and far less costly than replacing instruments. Proper care and maintenance includes cleaning, lubricating, sterilizing, and storing your instruments. This will ensure longevity and optimum performance.

Micro Instrument Sterilizing Trays

**Key Features**
- Ideal for sterilization of delicate and microsurgical instruments
- Separating pins provide instrument stability
- Silicone rubber inserts protect instruments
- Removable cover

See [www.harvardapparatus.com](http://www.harvardapparatus.com) for full product offering.

Sterilizing Instrument Trays

**Key Features**
- Ideal for use in autoclave or chemical soak
- Can be used to clean, rinse, sterilize and lubricate instruments
- Excellent for organizing, storing and protecting instruments

See [www.harvardapparatus.com](http://www.harvardapparatus.com) for full product offering.

Instrument Cleaner and Lubricant (Milk)

**Key Features**
- A must for every laboratory
- Concentrated cleaner that is pH neutral
- Instrument Milk recommended for all instruments with metal to metal action before autoclaving

See [www.harvardapparatus.com](http://www.harvardapparatus.com) for full product offering.
A Surgical Towels

Key Features
- Ideal for surgery
- Highly absorbent

See www.harvardapparatus.com for full product offering.

B Surgical Drapes

Key Features
- Built-in moisture barrier
- Double central panel made from medical fabric that prevents outside contaminants from permeating through
- Autoclavable

See www.harvardapparatus.com for full product offering.

C Hot Bead Sterilizer

Key Features
- Quick and inexpensive way to sterilize surgical instruments
- Glass bead bath maintains constant 500°F
- Sterilize in 15 seconds
- No messy chemicals or open flames in the laboratory

See www.harvardapparatus.com for full product offering.
Magnification and Surgical Lights
Magnification and proper lighting is an important part of surgery and should not be overlooked. Magnification is essential for better alignment of incision and closure. It provides improved vision, freedom of movement and helps lessen fatigue.

SuperVu Surgical Magnification System

Key Features
- Ideal for small animal surgery
- Choice of 5 magnifications and 4 working distances
- Offers a clear true image
- Superior optical quality eliminates eye strain
- Individual inter-pupillary adjustment ensures your loupes are tailored to fit your eyes
- Loupes and Frames/Headbands sold separately

See www.harvardapparatus.com for full product offering.

Leather Padded Headband

Key Features
- Use with SuperVu Magnification Loupes
- Horizontal and vertical adjustment
- Adjustable viewing angle
- Comfortable

See www.harvardapparatus.com for full product offering.

K-LED Illumination System

Key Features
- Ultra bright clip-on light
- Provides 4 hours of continuous use
- Comfortable

See www.harvardapparatus.com for full product offering.
Stand Mounted Magnifier

**Key Features**
- Provide up to 310 cm$^2$ (48 in$^2$) of viewing area
- No focusing needed
- Supplied with heavy duty metal base, vertical rods and clamp
- Light sold separately

See [www.harvardapparatus.com](http://www.harvardapparatus.com) for full product offering.

Gleamer Exam Lights

**Key Features**
- 45,000 lux (4,181 foot candles) at 18 inches (46 cm)
- Cool housing temperature and cool light beam
- Compact design
- Maximum flexibility

See [www.harvardapparatus.com](http://www.harvardapparatus.com) for full product offering.

Outpatient® II

**Key Features**
- 86,000 lux (8,000 footcandles) at 24 inches (61 cm)
- Cool operation assured with heat filters and dichroic coatings
- Shadow-free operation provided by three 50-watt halogen bulbs, each with 2,000-hour average bulb life
- Focuses with central removable, autoclavable SteriHandle™
- Bulbs are wired in parallel to ensure continuous operation

See [www.harvardapparatus.com](http://www.harvardapparatus.com) for full product offering.