NEW ITEMS
2022
FINE SURGICAL INSTRUMENTS FOR RESEARCH™
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Pacific Time

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orders-us@finescience.com
Please note the following information for your safety.

All surgical instruments and devices from the Fine Science Tools product range are intended exclusively for use in experimental research laboratories and facilities or in veterinary medicine. Our Customer Support is available to answer any questions you may have about the field of application and the material properties.
Gold Plated Forceps

Gold-plating gives corrosion resistance to most chemicals, salts and acids. These forceps are perfect for any application where corrosion resistance and toughness are primary requirements.

- **Straight**
  - 11.5 cm
  - 0.1 x 0.06 mm
  - Gold Plated
  - Stainless Steel
  - No. 11915-11

- **Curved**
  - 11.5 cm
  - 0.2 x 0.1 mm
  - Gold Plated
  - Stainless Steel
  - No. 11917-12

- **Angled 30°**
  - 11.5 cm
  - 0.1 x 0.06 mm
  - Gold Plated
  - Stainless Steel
  - No. 11911-11
Diamond Coated Forceps

Diamond coating provides increased corrosion resistance and greater protection from wear and tear, which extends the operational life of the forceps, as well as providing a stronger grip at the tips.

- **Straight**
  - 14 cm
  - 0.15 x 0.1 mm
  - Diamond Coated
  - Stainless Steel
  - No. 11990-14

- **Angled 30°**
  - 14 cm
  - 0.15 x 0.1 mm
  - Diamond Coated
  - Stainless Steel
  - No. 11991-14

- **Straight**
  - 12 cm
  - 1.65 x 0.05 mm
  - Diamond Coated
  - Stainless Steel
  - No. 11992-12
**Mirror Finish Broad Shanks**
These forceps have long and narrow shanks with thin, highly polished tips to prevent tissue from sticking. Ideal for embryos, nerves, or other adhesive tissues.

<table>
<thead>
<tr>
<th>Description</th>
<th>Length</th>
<th>Tip Diameter</th>
<th>Material</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Straight</td>
<td>13 cm</td>
<td>0.3 x 0.15 mm</td>
<td>Stainless steel</td>
<td>No. 11923-13</td>
</tr>
</tbody>
</table>

**Forceps with Replaceable Tips**
Stainless steel body with replaceable plastic tips. Tips are made of polyvinylidene fluoride (PVDF) and are electrostatic discharge (ESD) safe. Body and plastic tips are corrosion and abrasion resistant.

<table>
<thead>
<tr>
<th>Description</th>
<th>Length</th>
<th>Tip Diameter</th>
<th>Material</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replacement plastic tips</td>
<td>4 cm</td>
<td>0.5 mm</td>
<td>Stainless steel</td>
<td>No. 11988-01</td>
</tr>
<tr>
<td>Straight</td>
<td>13 cm</td>
<td>0.5 x 0.5 mm</td>
<td>Stainless Steel body with replaceable plastic tips</td>
<td>No. 11980-13</td>
</tr>
<tr>
<td>Curved</td>
<td>4 cm</td>
<td>0.5 mm</td>
<td>Stainless steel</td>
<td>No. 11988-03</td>
</tr>
</tbody>
</table>
**Forceps Kits**
Each kit includes four different forceps. Each individual forcep has a length of 11.5 cm and is electrostatic discharge (ESD) safe.

*Available in plastic or carbon fiber.*

The four tip shapes are as follows:
- Straight, flat, round
- Straight, fine, sharp
- Curved, angled, pointed
- Angled, squared, flat

<table>
<thead>
<tr>
<th>Alloy / Material</th>
<th>PVDF</th>
<th>Carbon fiber</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td>11970-90</td>
<td>11971-90</td>
</tr>
</tbody>
</table>

**Forceps Holding Stand**
Folding forceps holder allows secure placement of forceps.

*Instruments not included.*

- Working Height - 13cm
- Dimensions: 8 x 16cm
- Color: Black
- Alloy / Material: Stainless Steel with black Rilsan® coating

No. 24800-99
SCALPELS & CLAMPS

**Scalpel Handle #4 with Silicone**
For heavy, gross anatomy work.
Molded to fit hand.

13.5 cm
No. 10009-13

**Lorna Towel Clamp**

Serrated
10 cm
Tip width: 6 mm
No. 11096-10

Serrated
13 cm
Tip width: 7 mm
No. 11096-13
Microsurgical Needles with Suture Thread Attached

The combination of proprietary needle design technology and state-of-the-art manufacturing techniques has enabled FST to provide a microsurgical needle that is unmatched in the industry. FST microsurgical needles provide frictionless tissue penetration. They are inspected under the microscope at critical stages during the manufacturing process, and a multi-point final inspection of each suture and needle combination ensures a high quality product. The suture-to-needle attachment is tested to higher standards than the USP specifications.

Features:

- Needle and thread combination comprising of non-absorbable black nylon polyamide monofilament thread and stainless steel 3/8 circle needle. Nylon is suitable for closing ophthalmic, neurological and microvascular wounds.
- Grinding geometry and suture needle attachment are directed toward frictionless tissue penetration.
- Each needle suture combination is individually packed and sealed in a peel-open blister pack.

Sterile
Pkg. of 12 disposable units

<table>
<thead>
<tr>
<th>Suture size</th>
<th>Suture length (cm)</th>
<th>Needle diameter (micron)</th>
<th>Needle diameter (mm)</th>
<th>Needle chord length (mm)</th>
<th>Circle</th>
<th>Arch (mm)</th>
<th>Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>11/0</td>
<td>10</td>
<td>50</td>
<td>0.05</td>
<td>3.8</td>
<td>3/8</td>
<td>3.8</td>
<td>No. 12052-11</td>
</tr>
<tr>
<td>10/0</td>
<td>10</td>
<td>70</td>
<td>0.07</td>
<td>3.8</td>
<td>3/8</td>
<td>3.8</td>
<td>No. 12052-10</td>
</tr>
<tr>
<td>9/0</td>
<td>15</td>
<td>100</td>
<td>0.1</td>
<td>5</td>
<td>3/8</td>
<td>5.1</td>
<td>No. 12052-09</td>
</tr>
<tr>
<td>8/0</td>
<td>15</td>
<td>140</td>
<td>0.14</td>
<td>5</td>
<td>3/8</td>
<td>6.4</td>
<td>No. 12052-08</td>
</tr>
</tbody>
</table>
Disposable Flexible PTFE Feeding Needles

These affordable needles feature flexible PTFE tube with silicon tip and plastic luer hub, delivered in sterile pouches. They are very flexible, and translucent for easy confirmation of reagent delivery. The soft silicone tips are non-toxic and non-pyrogenic and ensure that no damage occurs during the insertion. Sterile.

Pkg. of 5 needles

<table>
<thead>
<tr>
<th>Gauge</th>
<th>Length (mm)</th>
<th>Tip diameter (mm)</th>
<th>Shape</th>
<th>Mice</th>
<th>Rats</th>
<th>Guinea pigs</th>
<th>Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>38</td>
<td>Barrel 1.8</td>
<td>Flexible</td>
<td>20-25 g</td>
<td>50-75 g</td>
<td></td>
<td>No. 18961-20</td>
</tr>
<tr>
<td>18</td>
<td>38</td>
<td>Barrel 2</td>
<td>Flexible</td>
<td>20-30 g</td>
<td>100-200 g</td>
<td>250-300 g</td>
<td>No. 18961-18</td>
</tr>
<tr>
<td>17</td>
<td>52</td>
<td>Barrel 2.4</td>
<td>Flexible</td>
<td>25-30 g</td>
<td>100-200 g</td>
<td>250-300 g</td>
<td>No. 18961-17</td>
</tr>
<tr>
<td>15</td>
<td>78</td>
<td>Barrel 2.6</td>
<td>Flexible</td>
<td>200-350 g</td>
<td>400-600 g</td>
<td></td>
<td>No. 18961-15</td>
</tr>
<tr>
<td>18</td>
<td>75</td>
<td>Barrel 2</td>
<td>Flexible</td>
<td>25-30 g</td>
<td>150-250 g</td>
<td>250-300 g</td>
<td>No. 18961-75</td>
</tr>
<tr>
<td>17</td>
<td>85</td>
<td>Barrel 2.4</td>
<td>Flexible</td>
<td>25-30 g</td>
<td>150-250 g</td>
<td>250-300 g</td>
<td>No. 18961-85</td>
</tr>
</tbody>
</table>

ANIMAL ACCESSORIES
Blue Ear Puncher
The stainless steel puncher has a sloped edge that provides a cut rather than a punch, which minimizes animal discomfort. 
Not autoclavable.

No. 24916-02

Micro Bead Sterilizer
Micro Bead Sterilizer is ideal for the sterilization of small research tools (forceps, scissors, etc.).
Instruments not included.

13 x 14.5 x 15.5 cm
115V

Includes Glass beads (150 g)
Temperature range: 100 to 300° C

Different models available:
18090-46
18090-50
18090-51

No. 18090-45
ACCESSORIES & INSTRUMENT CARE

**Micro Cleaning Brush**

70 mm
Nylon
Bag of 25
No. 18196-10

**Roll Up Travel Case**

Vinyl dissection roll up case with Velcro strap to hold the case closed. Holds up to 10 tools, one ruler holder, and one Velcro sealed pouch. **Instruments not included.**

35.56 x 22.86 cm
Black
Vinyl
No. 20831-10
Low Temperature Cautery Kit

This low temperature cautery kit is a great alternative to disposable cautery units. Temperature at the tips is approximately 649°C. Replacement cautery tips are available.

Not autoclavable.

Body: Plastic
Stainless steel tips: 0.2 mm diameter
Operation temperature: 649°C (1200°F)
Total weight: 60 g
Length: 12 cm (without tip)

Cautery kit includes:
- 1 Cautery Handle
- 2 Fine Tips
- 2 Elongated Fine Tips
- 1 AA Batteries
- 1 Storage Case

Cautery kit

No. 18019-00

Replacement tips
Straight Fine
Sterile
Single use
Box of 10 tips
No. 18019-01

Replacement tips
Elongated Straight Fine
Sterile
Single use
Box of 10 tips
No. 18019-02
FST Student Quality Instruments

One of the hallmarks of FST has always been to accurately assess the needs of our customers. We gather information not only from the lab, but from conferences, journals and researchers. Whether it is designing new tools or finding new applications for existing instruments, we believe our best information comes directly from you.

Our customers wanted reduced costs and quantity discounts without sacrificing the precision and quality inherent in German instruments. To meet their needs, we have developed a full line of “student” instruments. They were created for use in the classroom where students are learning proper instrument care.

Unlike our competitors, the quality of these instruments does not drop dramatically with the price. Our student line uses quality stainless steel and maintains the precision you expect from FST. In addition they carry our unconditional satisfaction guarantee while being offered at a significantly reduced price.

Not intended as a substitute for our highest quality instruments, the student line may require extra care as the alloys used are more susceptible to corrosion. All of our shipments come with an instruction pamphlet describing the use and care of surgical instruments. Visit our website at finescience.com for more information.
Fine Scissors

- Straight Sharp/Sharp
- 12 cm Cutting edge: 20 mm
- No. 91460-12

80% of actual size

Curved Sharp/Sharp

Sanvenero

- Straight Sharp/Sharp
- 14.5 cm Cutting edge: 30 mm
- No. 91408-14

80% of actual size

- 12 cm Cutting edge: 20 mm
- No. 91461-12

STUDENT INSTRUMENTS
STUDENT INSTRUMENTS

Wagner

<table>
<thead>
<tr>
<th>Straight</th>
<th>Angled to side</th>
<th>Angled to side</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sharp/Sharp</td>
<td>11.5 cm</td>
<td>18 cm</td>
</tr>
<tr>
<td>Cutting edge: 25 mm</td>
<td>Cutting edge: 45 mm</td>
<td>Cutting edge: 50 mm</td>
</tr>
<tr>
<td>No. 91468-12</td>
<td>No. 91413-18</td>
<td>No. 91413-20</td>
</tr>
</tbody>
</table>

Lister Scissors

Longer blunt blade prevents damaging tissue underneath skin without losing the cutting line.
Surgical Scissors

<table>
<thead>
<tr>
<th>Length (cm)</th>
<th>Cutting edge (mm)</th>
<th>Curved Sharp/Sharp</th>
<th>Curved Sharp/Blunt</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.5</td>
<td>40</td>
<td>No. 91405-11</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>40</td>
<td>No. 91404-12</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>40</td>
<td>No. 91405-13</td>
<td>No. 91404-13</td>
</tr>
<tr>
<td>14.5</td>
<td>45</td>
<td>No. 91405-14</td>
<td>No. 91404-14</td>
</tr>
</tbody>
</table>

More items available on finescience.com

80% of actual size
**STUDENT INSTRUMENTS**

**Spencer Ligature**
- Straight
- Sharp/Sharp
- 9 cm
- Cutting edge: 20 mm
- No. 91476-09

**Heavy Scissors**
- Curved
- Heavy Blades
- Sharp/Sharp
- 10.5 cm
- Cutting edge: 30 mm
- No. 91405-10
Mayo

Curved  Straight  Curved
Sharp/Blunt  Blunt/Blunt  Blunt/Blunt
14.5 cm  17 cm  17 cm
Cutting edge: 50 mm  Cutting edge: 50 mm  Cutting edge: 50 mm
No. 91409-15  No. 91410-17  No. 91411-17
**STUDENT INSTRUMENTS**

**Metzenbaum Baby**
- Curved
  - Blunt/Blunt
  - 14.5 cm
  - Cutting edge: 30 mm
  - No. 91419-14

**Metzenbaum**
- Straight
  - Blunt/Blunt
  - 14.5 cm
  - Cutting edge: 35 mm
  - No. 91416-14

- Curved
  - Blunt/Blunt
  - 18 cm
  - Cutting edge: 35 mm
  - No. 91417-18
Scalpel Handle #4

- Straight
- 9.5 cm
- Tip Ø: 0.75 mm
- No. 91004-13

Feilchenfeld

- Straight
- 11.5 cm
- Tip Ø: 1 mm
- No. 91139-12

Splinter Forceps

- Straight Sharp
- 10.5 cm
- Tip Ø: 0.3 mm
- No. 91156-11
STUDENT INSTRUMENTS

**Micro Adson**

*SERRATED*

- **1x2 teeth**
- **Cross-serrations**
- **12 cm**
- **Tip width: 1.1 mm**
- **No. 91119-12**

**Adson-Brown**

- **Serrated**
- **1x2 teeth**
- **Shark teeth**
- **12 cm**
- **Tip width: 0.7 mm**
- **No. 91118-12**

**Adson with Cross Serrations**

- **1x2 teeth**
- **Cross-serrations**
- **12 cm**
- **Tip width: 1.3 mm**
- **No. 91427-12**

Most items shown in actual size.
**Standard Pattern**

Broad pattern with strong spring action.

**Surgical Narrow Pattern**

- **Straight 1x2 teeth**
  - Tip width (mm): 2, Length (cm): 11.5, Item: No. 91123-12
  - Tip width (mm): 2.2, Length (cm): 14.5, Item: No. 91123-14
  - Tip width (mm): 2.4, Length (cm): 16, Item: No. 91123-16

**Surgical Standard Pattern**

- **Straight 1x2 teeth**
  - Tip width (mm): 2.4, Length (cm): 13, Item: No. 91121-13
  - Tip width (mm): 2.6, Length (cm): 14.5, Item: No. 91121-14
  - Tip width (mm): 2.8, Length (cm): 15.5, Item: No. 91121-15
  - Tip width (mm): 3, Length (cm): 16, Item: No. 91121-16
  - Tip width (mm): 3.5, Length (cm): 18, Item: No. 91121-18
  - Tip width (mm): 4, Length (cm): 20, Item: No. 91121-20
  - Tip width (mm): 4.5, Length (cm): 25, Item: No. 91121-25

**Anatomical Narrow Pattern**

- **Straight Serrated**
  - Tip width (mm): 1.5, Length (cm): 11.5, Item: No. 91102-12
  - Tip width (mm): 2.1, Length (cm): 13, Item: No. 91102-13
  - Tip width (mm): 2.2, Length (cm): 14.5, Item: No. 91102-14
  - Tip width (mm): 2.3, Length (cm): 16, Item: No. 91102-16

**Anatomical Standard Pattern**

- **Straight Serrated**
  - Tip width (mm): 2.7, Length (cm): 13, Item: No. 91100-13
  - Tip width (mm): 3, Length (cm): 14.5, Item: No. 91100-14
  - Tip width (mm): 4, Length (cm): 17, Item: No. 91100-17

More items available on finescience.com
STUDENT INSTRUMENTS

Semken

Russian

Gillies

McIndoe

60% of actual size

60% of actual size

60% of actual size

60% of actual size

Straight

11.5 cm
Tip width: 1.2 mm
No. 91108-12

Straight

14.5 cm
Tip width: 2.2 mm
No. 91108-14

15 cm
Tip dimensions: 7.6 x 5.7 mm
No. 91126-15

1x2 teeth
Cross-Serrated

15.5 cm
Tip width: 2.1 mm
No. 91128-15

Serrated

15 cm
Tip width: 1.2 mm
No. 91138-15
Hartmann

Curved
Serrated
10 cm
Tip width: 1.6 mm
No. 91303-10

Halsted-Mosquito

Curved
1x2 teeth and serrated
12 cm
Tip width: 1.9 mm
No. 91331-12

70% of actual size

80% of actual size
Kelly

60% of actual size

Straight
Serrated
14.5 cm
Tip width: 1.6 mm
No. 91318-14

Curved
Serrated
14.5 cm
Tip width: 1.8 mm
No. 91319-14
Crile

80% of actual size

Straight
Serrated
14 cm
Tip width: 1.3 mm
No. 91304-14

Straight
Serrated
16 cm
Tip width: 1.7 mm
No. 91304-16

Curved
Serrated
14 cm
Tip width: 1.3 mm
No. 91305-14

Curved
Serrated
16 cm
Tip width: 1.7 mm
No. 91305-16
Rochester-Pean

- Straight
  - Serrated
  - 14 cm
  - Tip width: 2 mm
  - No. 91316-14

- Curved
  - Serrated
  - 14 cm
  - Tip width: 2 mm
  - No. 91317-14

- Straight
  - Serrated
  - 16 cm
  - Tip width: 2.5 mm
  - No. 91316-16

- Curved
  - Serrated
  - 16 cm
  - Tip width: 2.5 mm
  - No. 91317-16

80% of actual size
STUDENT INSTRUMENTS

Pean

- Straight
- Serrated
- Narrow
- 14 cm
- Tip width: 2 mm
- No. 91322-14

- Curved
- Serrated
- Narrow
- 14 cm
- Tip width: 2 mm
- No. 91323-14

Kocher

- Straight
- Serrated
- Narrow
- 14 cm
- Tip width: 2.2 mm
- No. 91330-14

- Curved
- Serrated
- Narrow 1x2 teeth
- 14 cm
- Tip width: 2.2 mm
- No. 91331-14

60% of actual size

70% of actual size
Ochsner-Kocher

Straight
Serrated
1x2 teeth
14 cm
Tip width: 2.2 mm
No. 91328-14

Curved
Serrated
1x2 teeth
14 cm
Tip width: 2.2 mm
No. 91329-14

Straight
Serrated
1x2 teeth
16 cm
Tip width: 3 mm
No. 91328-16

Curved
Serrated
1x2 teeth
16 cm
Tip width: 3 mm
No. 91329-16
Tohoku Towel Clamp

- Serrated
- 10 cm
- Tip width: 2.4 mm
- No. 91194-10

- Serrated
- 13 cm
- Tip width: 2.8 mm
- No. 91194-13

Backhaus Towel Clamp

- 9 cm
- No. 91195-09

- 11 cm
- No. 91195-11

- 13 cm
- No. 91195-13
Lorna Towel Clamp

Serrated
13 cm
Tip width: 7 mm
No. 91196-13

Babcock

Serrated
16 cm
Tip width: 6 mm
No. 91393-16
Student Hose Clamp

- Serrated
- 15 cm
- Tip width: 4 mm
- No. 91198-15

Lister Sine Clamp

- Serrated
- 16 cm
- Tip width: 3 mm
- No. 91199-16
STUDENT INSTRUMENTS

Allis Clamp

- 70% of actual size
- 5x6 Teeth
- 15 cm
- Tip width: 6 mm
- No. 91191-15

Mayo-Hegar

- 70% of actual size
- Straight
- 16 cm
- Tip width: 2.6 mm
- Clamping length: 21 mm
- With lock
- Without scissors
- No. 91204-16
Barraquer

3 cm
Maximum spread: 1.1 cm
Tip dimensions: 5 x 7 mm
No. 91700-03

Senn-Miller

16 cm
3 sharp teeth 7 x 8 mm
1 blunt tooth 18 x 6 mm
No. 91790-16

Dieffenbach

Straight
35 mm
Strong pressure
No. 91850-35

16 cm
3 blunt teeth 7 x 8 mm
1 blunt tooth 18 x 6 mm
No. 91791-16
Our surgical mechanics refine and perfect instruments in FST’s very own workshop, this is a step that only we take in this form. This is essential for the precision and quality of each and every one of our products.

For example, our Friedman-Pearson rongeurs with tip diameters of 0.5 or 0.7 mm, both are unique in the world. Also, our spring scissors have established themselves in the research industry and are second to none in terms of fineness.

The result: a level of quality that makes its mark – and to which we have now dedicated our own. Our new symbol “Hand-Crafted” stands for 100% guaranteed craftsmanship and instruments you can rely on in any situation.
VISIT FINESCIENCE.COM TO SEE OUR FULL PRODUCT LINE

SCAN ME

100% SATISFACTION GUARANTEE

“If, for any reason, you are not completely satisfied with your purchase you may return it for a full refund.”

– Hans Gawenda, Founder, Fine Science Tools Inc.