Discover a sectioning solution that’s effortless

Thermo Scientific Cool-Cut and Section Transfer System
Your complete sectioning solution
Discover the efficiencies of a complete sectioning solution. Simply pair one of our Thermo Scientific rotary microtomes with the Thermo Scientific™ Cool-Cut™, paraffin block cooler, and Thermo Scientific™ Section Transfer System™ (STS). These accessories are designed to help laboratories improve quality and efficiency – two key influencers of positive patient outcomes.

The Cool-Cut provides object cooling for high-quality sectioning and process efficiency. The Section Transfer System automatically transfers section ribbons from the blade to the water bath reducing manual handling. Their compact, integrated design saves valuable bench space.

Both are designed to be used exclusively with the Thermo Scientific™ HM 355S, HM 340E and HM 325 rotary microtomes.

**Thermo Scientific Cool-Cut, paraffin block cooler**
- Maintains a cool, consistent temperature for paraffin blocks during the sectioning process eliminating the need to repeatedly ice down blocks
- Particularly effective during extended cutting periods for “step sections” or “serial sections”
- Peltier device fits directly onto the specimen cylinder of the microtome and can be equipped with a universal cassette clamp or a standard specimen clamp

**Thermo Scientific Section Transfer System (STS)**
- Adjustable laminar water flow rate avoids tissue section damage, allowing for more usable sections per block. Sections are stretched due to the smooth water flow, aiding in the delivery of high-quality sectioning results
- User-selectable water temperature from ambient temperature up to +50 °C
- Illuminated, aluminum water bath offers excellent section visibility
- Specially designed disposable blade holder supports the transfer ramp
- The common manual transfer of the sections into a water bath is no longer necessary
### Ordering information

<table>
<thead>
<tr>
<th>Product</th>
<th>Cat. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermo Scientific Section Transfer System</td>
<td>771200</td>
</tr>
<tr>
<td>Includes: disposable blade carrier TE, water bath,</td>
<td></td>
</tr>
<tr>
<td>STS basic instrument including heating plate, pump</td>
<td></td>
</tr>
<tr>
<td>and pump reservoir, control unit, 2 transfer surface</td>
<td></td>
</tr>
<tr>
<td>ribbons, fine filter, drain screen, instruction manual</td>
<td></td>
</tr>
<tr>
<td>For microtomes with bar guideway</td>
<td></td>
</tr>
</tbody>
</table>

### Specifications

Heated water bath: +50 °C

Volume of heated water bath: 800 ml

Volume of pump reservoir: 600 ml

Required liquid: demineralized or distilled water

Flow rate: 0 ml/min. -500 ml/min

Operating conditions:
+10 °C to + 35 °C (at max. 60% rel. humidity of the air)
altitude up to 2000 M.S.L. for indoor use only

Pollution degree: 2

Overvoltage category: II

Acoustic pressure: 40 dB(A)

Power requirements:
- 220-230 V | 50-60 Hz, 0.7 A, +/- 10%
- 240 V | 50-60 Hz, 0.7 A, +/- 10%
- 120 V | 50-60 Hz, 1.4 A, +/- 10%
- 100 V | 50-60 Hz, 1.4 A, +/- 10%

Internal protection of the secondary circuit:
1 x T4AH; 1 x T2AH

Weight:
- Control unit: 2.8 kg
- STS complete: 4.8 kg
- Disposable blade carrier TE: 3.0 kg

Dimensions:
- STS: 300 x 300 x 130 mm (D x W x H)
- Control unit: 265 x 160 x 80 mm (D x W x H)

---

### Ordering information

<table>
<thead>
<tr>
<th>Product</th>
<th>Cat. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermo Scientific Cool-Cut Paraffin Block Cooler</td>
<td>771110</td>
</tr>
<tr>
<td>Includes: weight-supporting plate to be mounted on the</td>
<td></td>
</tr>
<tr>
<td>hand wheel, Cool-Cut compensating weight, counterweight when using other clamps, universal power supply.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product</th>
<th>Cat. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cool-Cut with universal cassette clamp</td>
<td>771120</td>
</tr>
<tr>
<td>Cool-Cut with standard cassette clamp</td>
<td></td>
</tr>
</tbody>
</table>

### Specifications

Clamp temperature: 16 °C below ambient temperature

Specimen orientation:
- x- and y-axes universal 8°
- z-axis up to 360°

Storage temperature range: -25 °C up to +55 °C

Operating conditions: +5 °C up to +35 °C (at a max. rel. humidity of 60%)
altitude up to 2000 m M.S.L. for indoor use only

Pollution degree: 2

Overvoltage category: II

Acoustic pressure: 20 dBA

Power requirements:
- 100-240 V | 50-60 Hz, 0.6 A +/-10%
- 220-230 V | 50-60 Hz, 0.7 A, +/- 10%
- 240 V | 50-60 Hz, 0.7 A, +/- 10%
- 120 V | 50-60 Hz, 1.4 A, +/- 10%
- 100 V | 50-60 Hz, 1.4 A, +/- 10%

Internal protection 1 x T2AH

Secondary circuit 7.5 VDC / 3.3 A

Pollution degree: 2

Overvoltage category: II

Acoustic pressure: 20 dBA

Power requirements:
- 100-240 V | 50-60 Hz, 0.6 A +/-10%
- 220-230 V | 50-60 Hz, 0.7 A, +/- 10%
- 240 V | 50-60 Hz, 0.7 A, +/- 10%
- 120 V | 50-60 Hz, 1.4 A, +/- 10%
- 100 V | 50-60 Hz, 1.4 A, +/- 10%

Internal protection 1 x T2AH

Secondary circuit 7.5 VDC / 3.3 A

Pollution degree: 2

Overvoltage category: II

Acoustic pressure: 20 dBA

Power requirements:
- 100-240 V | 50-60 Hz, 0.6 A +/-10%
- 220-230 V | 50-60 Hz, 0.7 A, +/- 10%
- 240 V | 50-60 Hz, 0.7 A, +/- 10%
- 120 V | 50-60 Hz, 1.4 A, +/- 10%
- 100 V | 50-60 Hz, 1.4 A, +/- 10%

Internal protection 1 x T2AH

Secondary circuit 7.5 VDC / 3.3 A

Pollution degree: 2

Overvoltage category: II

Acoustic pressure: 20 dBA

Weight: 700 g

---

Find out more at [thermofisher.com/pathology](http://thermofisher.com/pathology)