

Versatile, precision engineered tools for long service.



Brain Slice Chamber Diagram Key

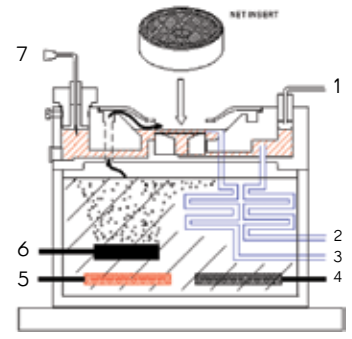
(Diagram below)

1. Bubble trap
2. Heat exchanger for perfusion fluid submerged/ interface mode
3. Heat exchanger for perfusion fluid to sloped insert
4. Control temperature sensor
5. Heating element
6. Oxygen/carbon dioxide gas bubbler
7. Exit for perfusion fluid via suction line

Brain Slice & Tissue Chambers

Brain Slice Chamber-1

- Interface and submerged preparations
- Removable net type insert
- Sloped insert for small volume interface experiments
- Low noise temperature control



Brain Slice Chamber-2

- Interface preparations
- Templates for single or dual wells
- Minimal fluid dead space
- Stable recordings for many hours



Q7 12
Q6 13
Q5 14
Q4 15
Q3 16
Q2 17
Q1 18
Q0 19
20
10
OE
1
U27
J27
15
14
13
12
+5



Brain Slice Chamber-3

- Four or six well chamber with independent lines
- Interface or submerged preparations
- Fluid level adjustable in each well
- Removable nylon net and insert
- High throughput pharmacological studies



Microscope Stage Chamber-1

- 1 ml capacity flow-through upright stage chamber
- Unique profiled contour and swing type turrets for par-focal viewing
- Glass coverslip base
- Easy removal for cleaning



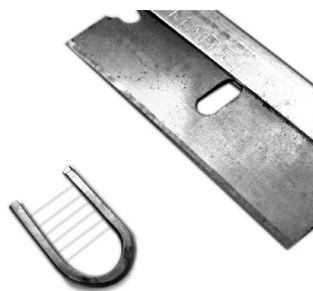
Microscope Stage Chamber-3

- Interface chamber for use on an upright microscope
- Template for single or dual channel use
- Glass coverslip base allows use of normal condenser optics



Membrane Chamber

- Upright or inverted microscope access to a well perfused, perfectly flat and transparent in vitro slice preparation
- Slice viability increased beyond 16 hours as demonstrated with LFP recordings
- High mechanical stability, high flow rate and Bernoulli effect to optimize nutrient access for slices



Slice anchor (aka "harp" or "U-net")

- Stainless steel device with nylon mesh for holding slices down
- Heavy gauge steel minimizes floating
- Razor blade shown for scale

Q7 12
 Q6 13
 Q5 14
 Q4 15
 Q3 16
 Q2 17
 Q1 18
 Q0 19
 20
 10
 OE
 1
 1

Brain Slice Keeper and Vessel

- Brain slice keeper for pre-incubation of slices
- Hooks into standard Buchner filter funnel, beaker or optional Brain Slice Keeper Vessel (beaker) for bubbling carbogen into ACSF
- Unique curved bottom design keeps bubbles away from slices while promoting fresh solution flow over slices
- Needle valve for adjusting gas flow included



Brain Slice Keeper (S-BSK) + Brain Slice Keeper Vessel (S-BSKV) = Complete System (S-BSK Combo)

Brain Slice Keeper 4

- Holds four sets of brain slices
- Container with lid and integrated air stone for bubbling carbogen into ACSF. Needle valve for adjusting gas flow included.
- Unique curved bottom design keeps bubbles away from slices while promoting fresh solution flow over slices



Brain Slice & Tissue Chamber Ordering Information

Part No.	Product Description	Price
S-BSC1	Brain slice chamber-1: Interface and Submerged	\$ 2,364
S-BSC2	Brain slice chamber-2: Interface	\$ 1,650
S-BSC3-6	Brain slice chamber-3-6: Six Channel Chamber	\$ 2,585
S-BSC3-4	Brain slice chamber-3-4: Four Channel Chamber (2 & 3 ch. avail.)	\$ 2,198
S-U-net	Slice Anchor or Harp	\$ 59
S-BSK1	Brain Slice Keeper	\$ 229
S-BSK2	Brain Slice Keeper 2: low 5ml volume	\$ 324
S-BSKV	Brain Slice Keeper Vessel	\$ 92
S-BSK Combo	Brain Slice Keeper and Vessel	\$ 321
S-BSK4	Brain Slice Keeper Holder: Four Holders in one container	\$ 663
S-MSC1	Microscope stage chamber-1: Submerged - for upright microscopes	\$ 509
S-MSC3	Microscope stage chamber-3: Interface	\$ 1,257
S-MSC4	Microscope stage chamber-4: Submerged - for inverted microscopes	\$ 361
S-MSC5	Microscope stage chamber-5: For coverslips	\$ 389
S-PTC03	Proportional Temperature Controller for BSC	\$ 2,087

U.S./Canada prices shown. International prices add 20%. Email or visit web store for latest prices.

