

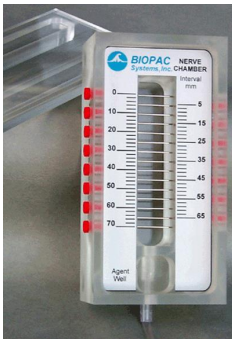
**NERVE CHAMBERS: NERVE1 AND NERVE2**

These acrylic, desktop Nerve Chambers have 15 stainless steel pins for recording and stimulating a variety of different nerve preparations. Each stainless steel pin is spaced 5mm apart to provide a variety of recording and stimulating configurations. The sockets accept 2 mm pin plugs.

**NERVE1 and NERVE2 Comparison**

Feature	NERVE1	NERVE2
Deep Reservoir (35 mL)- contain Ringers or other solutions	X	X
Drain- facilitate extended viability of the preparation.	X	X
Agent Well · add compounds (ether, dry ice, etc.) 1.4 cm x 2 cm x 2 cm (h x w x l)	X	X
Lid- enclose the preparation. 50 mm thick	X	--
Valve & hose- flush and drain options	X	--

**NERVE1 . WITH AGENT WELL AND LID**



NERVE1 chamber includes:

- **Deep Reservoir** (35 mL) for containing Ringers or other solutions
- **Drain (with valve & hose)** to facilitate extended viability of the preparation
- **Agent Well** for adding compounds (such as ether or dry ice)
- **Lid** to enclose the preparation when the protocol requires it.

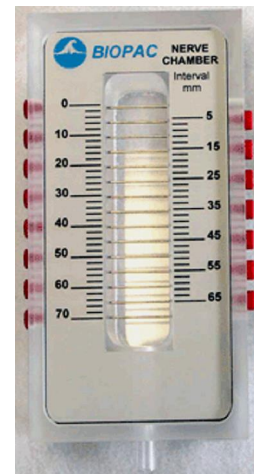
**NERVE2 . STANDARD NERVE CHAMBER**

NERVE2 chamber includes:

- **Deep Reservoir** (35 mL) for containing Ringers or other solutions.
- **Drain (with valve & hose)** to facilitate extended viability of your preparation.

**NERVE CHAMBER SPECIFICATIONS (NERVE1/NERVE2)**

- Pins:** 15, stainless steel
- Spacing:** 5 mm
- Sockets:** accepts 2 mm pin plugs
- Reservoir:** holds 35 mL (or use drain/valve)
- Dimensions:** 4.5 cm x 7 cm x 14 cm (H x W x L)
- Agent well:** (NERVE1 only) 1.4 cm x 2 cm x 2 cm (H x W x L)
- Lid:** (NERVE1 only) 50 mm thick



NERVE2

**Related components:**

- STM100C Stimulator Module
- STMISO Series Stimulator Modules
- MCE100C Micro-electrode Amplifier
- ERS100C Evoked Response Amplifier
- EMG100C Electromyogram Amplifier

## NERVE CHAMBER CONNECTIONS

**To connect the Nerve Chamber to MP-series Biopotential amplifiers** (MCE100C, ERS100C, or EMG100C), use three JUMP100 connectors and three CBL200 adapter cables. Optionally, for additional lead length, use one MEC110C extension cable.

1. Plug the three JUMP100s into the desired points of the Nerve Chamber.
2. Connect the free ends of the JUMP100s to the mating ends of the CBL200s.
3. Then connect the free ends of the CBL200s to the Biopotential amplifier inputs. For additional lead length, plug the MEC110C into the Biopotential amplifier and plug the free ends of the CBL200s into the free end of the MEC110C.

**To connect the Nerve Chamber to the STM100C Stimulator**, use one CBL106 and one CBL102.

1. Plug the red and black leads (2 mm pins) of the CBL106 into the desired points of the Nerve Chamber.
2. Connect the free end (Female BNC) of the CBL106 to the mating end (Male BNC) of the CBL102.
3. Then insert the free end of the CBL102 (3.5 mm phone plug) into the 50 Ohm output of the STM100C.

**Note:** If the STM100C Stimulator is used with a Biopotential amplifier on the same nerve, which is nearly always the case, make sure that the black lead of the CBL106 (stimulation negative) is connected to the same pin as the ground lead going to the Biopotential amplifier. This is easy to do because the design of the JUMP100 allows stacking connections.