

Tecella Launches Triton, the World's Smallest 8-channel Whole-Cell Patch Clamp Amplifier

Costa Mesa, CA, September 4, 2007 — Tecella today announced the introduction of Triton, the world's smallest full-featured 8-channel patch clamp amplifier. By utilizing Tecella's revolutionary ExtenCell™ technology, the Triton achieves an unprecedented level of miniaturization.

The Triton has 8 full-featured whole-cell patch clamp amplifiers fully contained within the Triton case and controlled through a USB 2.0 interface. Each amplifier has both fast and slow capacitance compensations for neutralizing probe and whole-cell capacitances, series resistance compensation, zap function and a programmable Bessel filter. The on-board digitizer consists of a 12-bit waveform generator and 16-bit data acquisition system. All of this in a compact case measuring just 10" x 7" x 1.5" (25cm x 18cm x 4cm).

"Due to its compact size and well-tuned cable compensation mechanism, Triton eliminates the need for external headstages. As a result, workbench clutter is reduced, and the hum noise entering through headstage cabling is minimized," states Yoke Tanaka, President and CEO of Tecella. "The Triton and a laptop computer become a portable 8-channel patch clamp amplifier system that one can take anywhere and easily setup with a single USB cable."

The Triton comes with easy-to-use GUI software and automated compensation. Internal model cells simplify self-calibration and data validation, and the current clamp can be applied to any one of the 8 channels. The optional analog leak compensation circuit allows quality data acquisition even under low seal resistance conditions.

Tecella will unveil the Triton at the Ion Channel Targets Conference in Boston on September 10-11, 2007, and will again showcase it at the Society for Neuroscience Conference in San Diego on November 3-7, 2007.

The Triton will be offered in 1, 2, 4 or 8 channel configurations with the option for analog leak compensation. In addition, various customization services will be offered for the Triton ranging from component value changes to full-scale amplifier customization. Tecella will begin accepting orders for Triton on September 10, with first shipment scheduled for October 1, 2007.

Tecella is headquartered in Costa Mesa, California, and specializes in the development of whole-cell patch clamp amplifier systems for the advancement of drug discovery. ExtenCell™ is the name of the core hardware and software technologies of Tecella, and is a trademark of Tecella. For inquiries regarding this press release, the Triton, Tecella, or ExtenCell™, please email info@tecella.com, call +1-714-641-1709 or visit us at the Ion Channel Targets Conference in Boston or the Society for Neuroscience Conference booth 3704 in San Diego.

Tecella
3001 Red Hill Ave, Suite 1-204
Costa Mesa, CA 92626
714-641-1709
714-641-1569 Fax
www.tecella.com

Contact:
Dianne Yamamoto, 714-641-1709
info@tecella.com

###



**8-CHANNEL PATCH CLAMP AMPLIFIER
COMPACT SIZE. RIVALING PERFORMANCE.**

SEPTEMBER 2007



**INTRODUCING TECELLA'S NEW TRITON PATCH
CLAMP AMPLIFIER**



INTEGRATED **EXTENCELL™** TECHNOLOGY

8 CHANNEL SIMULTANEOUS CELL RECORDING

ROBUST AND COMPACT SIZE SYSTEM

INTEGRATED STIMUSCOPE DIGITIZER

EASY TO USE SOFTWARE GUI

-VCMD GENERATION

-RESPONSE WAVEFORM DISPLAY

ANALOG CAPACITANCE COMPENSATION

ANALOG LEAK COMPENSATION
(L MODEL)

ANALOG R_s COMPENSATION

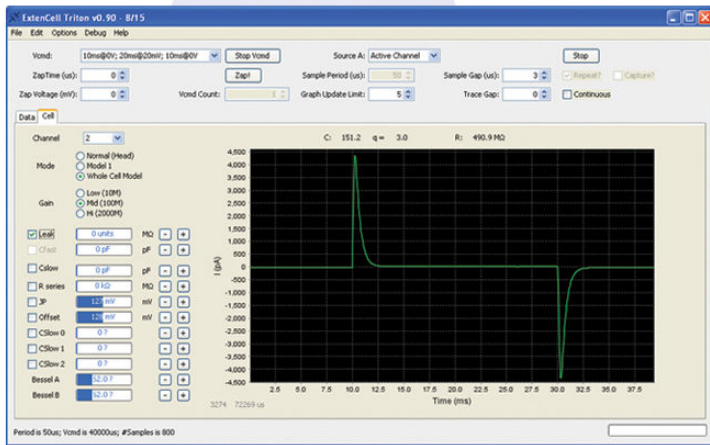
EMBEDDED MODEL CELL(S)

AVAILABLE CURRENT CLAMP OPTION

MEASURES 9.8" x 7.2" x 1.5"
(25CM x 18CM x 4CM)

USB 2.0 INTERFACE

AVAILABLE IN SEVERAL OPTIONS
(VIEW TABLE BELOW)



CONTACT:

3001 RED HILL AVE.
COSTA MESA, CA 92626
(714) 641-1709

INFO@TECELLA.COM

	Channels	Cfast Compensation	Cslow Compensation	Leak Compensation	Series Resistance Compensation	Rf Range	Model Cells embedded
Triton-1	1	Yes	4	No	Yes	10-2000Meg	1*
Triton-2	2	Yes	4	No	Yes	10-2000Meg	1*
Triton-4	4	Yes	4	No	Yes	10-2000Meg	1*
Triton-8	8	Yes	4	No	Yes	10-2000Meg	1*
Triton-1L	1	Yes	3	Yes	Yes	10-1000Meg	2
Triton-2L	2	Yes	3	Yes	Yes	10-1000Meg	2
Triton-4L	4	Yes	3	Yes	Yes	10-1000Meg	2
Triton-8L	8	Yes	3	Yes	Yes	10-1000Meg	2

* Second internal model cell available upon request.



**ADVANCED TECHNOLOGIES
FOR ADVANCING HTS**

WWW.TECELLA.COM