



Cymbet EnerChip Batteries Proven Biologically Safe Using In Vivo Testing
In vivo tests show EnerChip™ batteries are biologically safe for all types of applications

Minneapolis, MN January 28, 2013 - Cymbet Corporation announced today the successful results of in vivo biocompatibility feasibility studies that were conducted to evaluate the biological safety of the EnerChip™ Rechargeable Solid State Battery. EnerChip bare die batteries were crushed and combined into a saline solution which was introduced into an in vivo test setting. No ill effects were recorded nor were any test article related lesions observed in this study.

These excellent in vivo test results constitute the follow-on study to the July 2012 Cymbet announcement of the results of in vitro studies in which EnerChip bare die battery samples were gamma sterilized and evaluated using two in vitro test methods for cytotoxicity and the EnerChips demonstrated 100% non-cytotoxicity.

No Harmful Effects Found From In-Body Exposure of Crushed EnerChip Batteries

Cymbet EnerChip solid state batteries are uniquely fabricated using standard semiconductor integrated circuit processes with patented construction techniques. EnerChip batteries are similar to other Integrated Circuits found in electronic devices. One of the most rigorous ways to test the intrinsic biological safety of the EnerChip battery is to introduce crushed EnerChip bare die into in vivo test settings. Crushing the battery replicates the case of an EnerChip-powered implanted medical device that is catastrophically destroyed. In this trauma situation, the EnerChip battery components would be exposed directly to the in vivo setting. The results of in vivo testing show no harmful effects from having the crushed EnerChips in the body.

“These in vivo follow-on biocompatibility test results demonstrate why EnerChip Solid State Batteries are a unique and safe battery technology,” said Bill Priesmeyer Cymbet CEO. “Our medical and veterinary device customers are extremely pleased with the outcome of these follow-on tests. More importantly for all our global customers, these test results highlight the intrinsic health and environmental safety characteristics of EnerChip batteries that are significantly better than legacy commercial battery chemistries.”

Design Tools for Embedding EnerChip Energy Storage Directly Into Devices

Cymbet EnerChip rechargeable solid state batteries are commercially available in either bare die form or in standard plastic IC packaged parts. Cymbet provides many technical resources for product design teams:

- Embedded energy video demonstration and design information can be found here: <http://www.cymbet.com/products/embedded-energy.php>
- Environmental standards and Eco-Friendly features are explained on this webpage: <http://www.cymbet.com/products/eco-friendly-features.php>
- Data sheets on all the EnerChip products can be found here: <http://www.cymbet.com/products/enerchip-solid-state-batteries.php>
- Free design consultation resources can be requested here: <http://www.cymbet.com/design-center/support.php>
- EnerChip bare die batteries can be purchased directly from Cymbet Distributors including Micross at <http://www.micross.com/solid-state-batteries.aspx>

About Cymbet

Cymbet Corporation is the leader in solid state energy storage technology. The company is the first to market eco-friendly rechargeable storage devices that provide embedded systems designers with new embedded energy capabilities. The company's EnerChip™ solid state batteries with integrated power management enable new concepts in energy storage application for ICs and new products for medical,

sensor, RFID, industrial control, communications and portable electronic devices. Visit Cymbet online at www.cymbet.com.

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