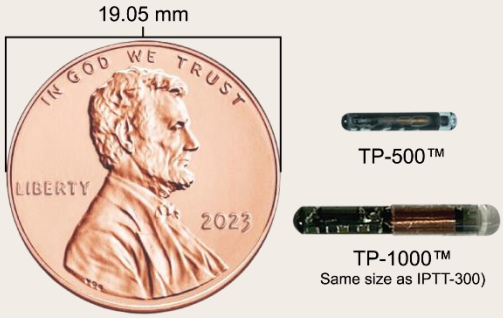
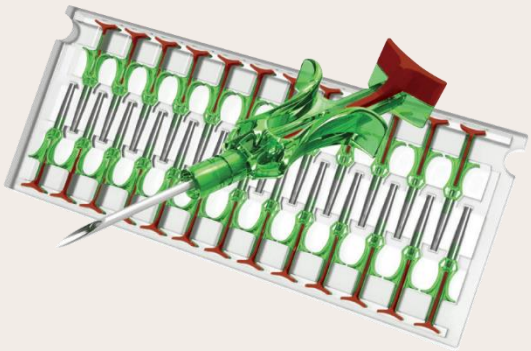
TP-500™ Temperature Programmable Transponder

TP-500™ within disposable syringe applicator



The TP-500™ transponders are shipped within the disposable syringe applicator at 100 transponders per box.



TP-500™ Overview

With our TP-500™, researchers can program their own animal identification codes onto the glass encapsulated microchip and access their data—plus the subject's subcutaneous temperature—with every scan.

This battery-free read/write Implantable Temperature Programmable Transponder enables you to program up to 32 alphanumeric characters onto the transponder in any coding sequence you choose, transforming each animal into a walking mini-database, and representing such information as the study number, genotype, investigator name, project number, and animal DOB.

BMDS Reader Compatibility
DAS-8037 IUS
DAS-8037 BLU

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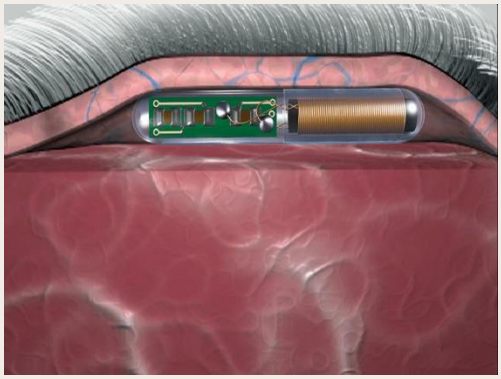
DS-000078 Rev B

TP-500™ Temperature Programmable Transponder

Specifications

Technical Characteristics

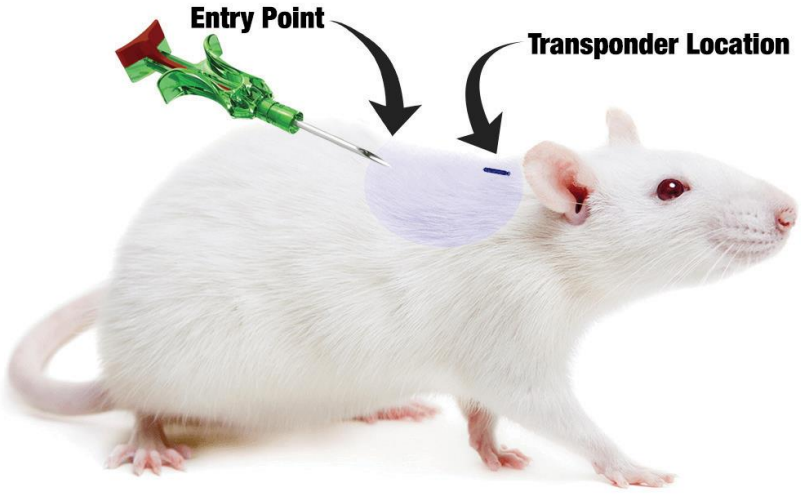
- Read Distance: 3+ inches (76.2 millimeters)
- Nominal Size: 1.4 millimeters in diameter and 9 millimeters long
- Biocompatibility: The TP-500™ temperature programmable transponder is encased in glass suitable for all laboratory species and has excellent tissue compatibility
- Needle: 15 gauge stainless steel, OD 0.071 inches (1.8 millimeters)
- Memory: 32 characters programmable with letters, numbers, or special symbols
- Programmed ID can be fully or partially locked by the user from accidental overwrite
- Anti-Migration: The TP-500™ features a Parylene Type C coating
- Accuracy: +/-0.4°C from 30°C - 42°C
- Resolution: +/-0.01°C



Operation

Designed for harmless non-surgical implantation, BMDS temperature programmable transponders are convenient, humane, and reliable. Approximately 9 millimeters in length by 1.4 millimeters in diameter, the TP-500™ temperature programmable transponder features a Parylene Type C coating which prevents migration by promoting tissue bonding at the implant site. You can even retrieve data decades after a study ends if you remove the temperature programmable transponder with a tissue sample and place it into long-term storage, in cold or liquid preservative.

Injected with a syringe-like action, TP-500™ temperature programmable transponders are preloaded in a disposable needle assembly. The ergonomic design of this one-piece tool fully integrates the handle, stainless steel needle, and drive pin. Packaged in boxes of 100, needle assemblies (one transponder each) are processed through an ethylene oxide cycle for sterilization. No assembly is required. Pick one up, remove the needle cap, implant the transponder, and dispose of the injector all in one clean operation.



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