

IPT-300 Implantable Programmable Transponder

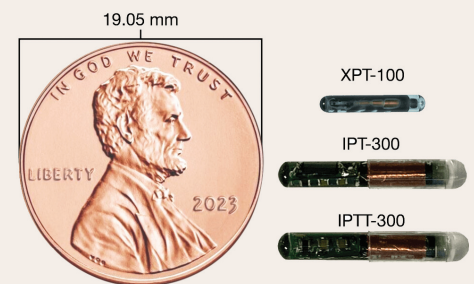


IPT-300 within disposable syringe applicator

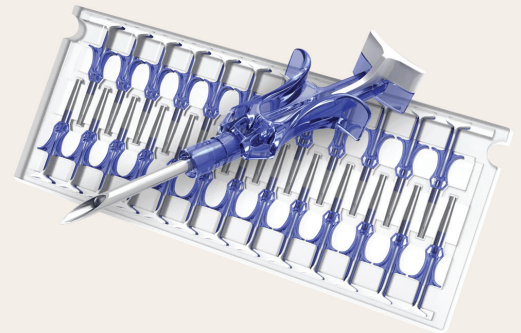
IPT-300 Overview

With our IPT-300, researchers can program their own animal identification codes onto the glass encapsulated microchip and access the unique on-board identification data with every scan. Produced specifically for researchers who do not desire temperature data as a part of their protocol, this new microchip—the IPT-300—is a non-temperature sensitive version of our acclaimed Implantable Programmable Temperature Transponder™.

This battery-free read/write Implantable Programmable Transponder enables programming of up to 32 alphanumeric characters onto the transponder in any coding sequence, transforming each animal into a walking mini-database, and representing such information as the study number, genotype, investigator name, project number, and animal DOB. The IPT-300 provides convenient user-controlled 'write protect' non-volatile data and CRC transmission error detection. Data is secured by algorithmic error correction.



The IPT-300 transponders are shipped within the disposable syringe applicator at 100 transponders per box.



BMDS Reader Compatibility

DAS-8001 with RSP-8025

DAS-8002 Programming Station

DAS-8010 with RSP-8025

DAS-8020 with RSP-8025

DAS-8027 IUS

DAS-8029 BSC

DAS-8017

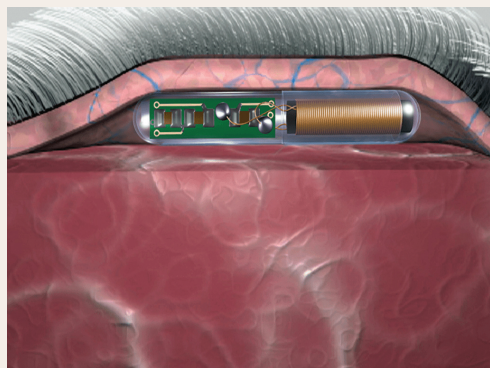
KP-8019

IPT-300 Implantable Programmable Transponder

Specifications

Technical Characteristics

- Read Distance: 3 inches (76.2 millimeters)
- Size: 2 millimeters in diameter and 14 millimeters long
- Biocompatibility: The IPT-300 transponder is encased in glass suitable for all laboratory species and has excellent tissue compatibility
- Needle: 12 gauge stainless steel, OD 0.108 inches (2.75 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 IPT-300 is fitted with an anti-migration cap



Operation

Designed for harmless implantation, BMDS transponders are the most convenient, humane, reliable, and cost-effective method for automated animal identification. You can even retrieve data decades after a study ends if you remove the transponder with a tissue sample and place it into long-term storage, in cold or liquid preservative.

Injected with a syringe-like action, IPT-300 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.

