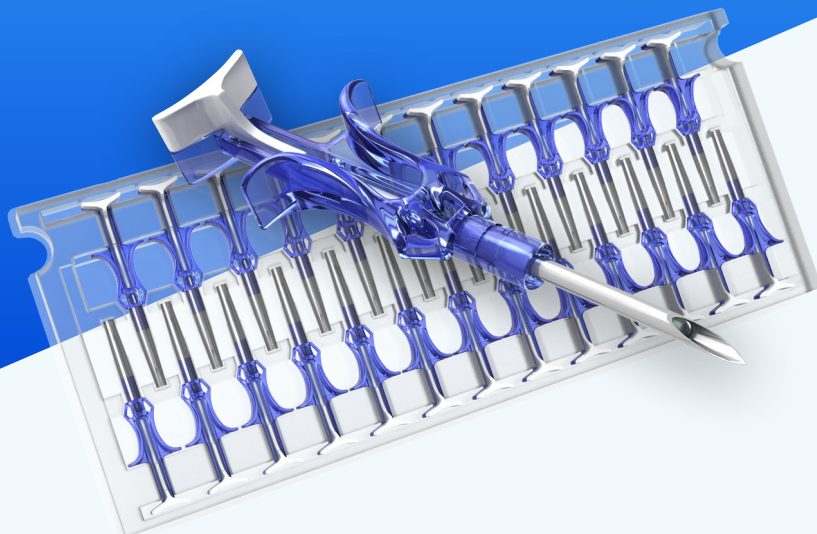# BMDS IPT-300
Implantable Programmable Transponder

BMDS
part of AVIDITY Science

The Features of IPT-300

With our IPT-300, researchers can program their own animal identification codes onto the glass encapsulated microchip and access the unique onboard 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 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. The IPT-300 provides convenient user-controlled 'write protect' non-volatile data and CRC transmission error detection. Data is secured by algorithmic error correction.

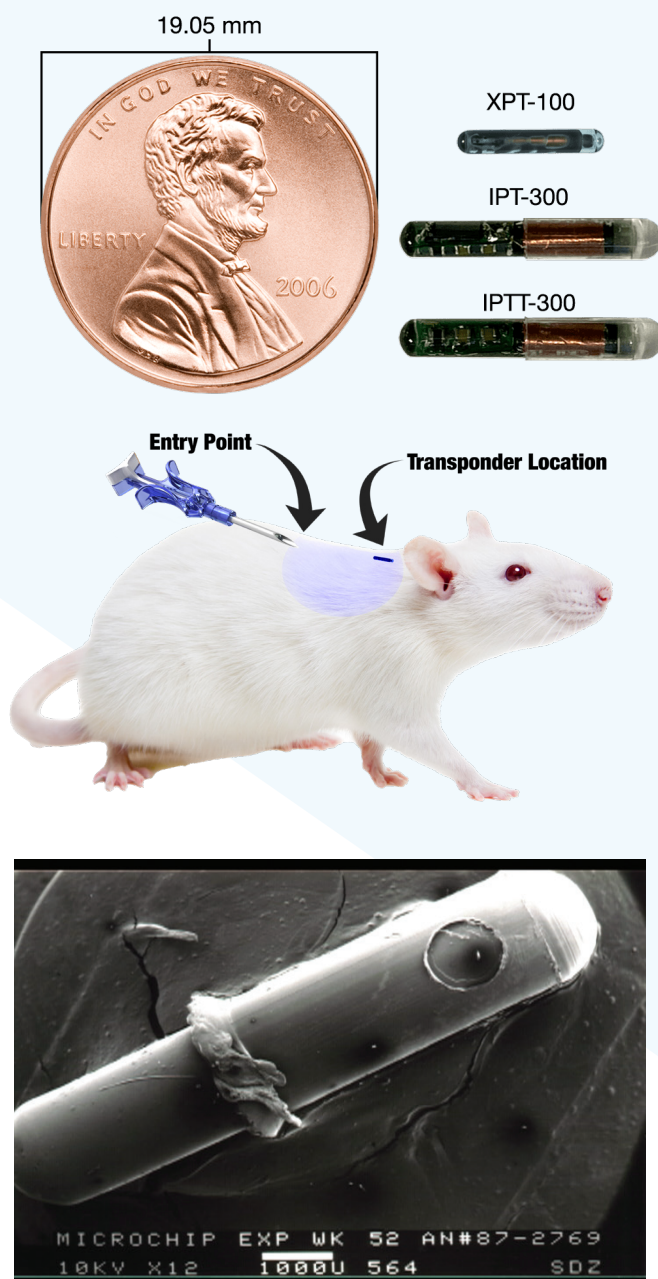| BMDS Reader Compatibilty |
| --- |
| DAS-8001 with RSP-8025 |
| DAS-8002 Programming Station |
| DAS-8010 with RSP-8025 |
| DAS-8020 with RSP-8025 |
| DAS-8027 IUS |
| DAS-8029 BSC |
| DAS-8017 |
| KP-8019 |

*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.*

TECHNICAL INFORMATION

19.05 mm

XPT-100

IPT-300

IPTT-300

Entry Point

Transponder Location

MICROCHIP EXP WK 52 AN#87-2769
10KV X12 1000U 564 SDZ

Technical Characteristics

Read Distance: 3 inches (76.2 millimeters)

Size: 2 millimeters in diameter & 10 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 0.071 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 IPT-300 is fitted with an anti-migration cap.

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 it up, remove the needle cap, implant the transponder, and dispose of— all in one clean operation.