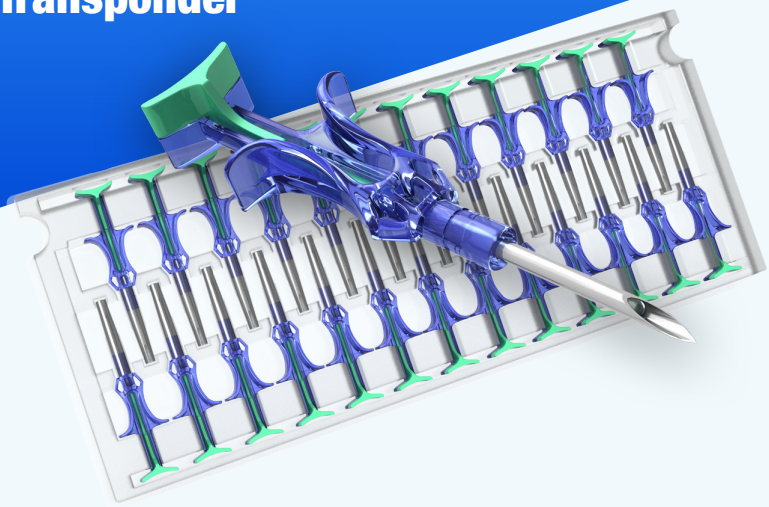
BMDS IPTT-300

Implantable Programmable Temperature Transponder



BMDS
part of AVIDITY Science

The Features of IPTT-300

With our IPTT-300 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 Programmable Temperature 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.

Designed for harmless non-surgical implantation, BMDS transponders are convenient, humane, and reliable. Approximately 14 millimeters in length by 2 millimeters in diameter, the IPTT-300 transponder features a patented anti-migration device, which anchors it securely to tissue at the implant site. 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.

Also avalible, the HTEC IPTT-300 is a specialized transponder based on the IPTT-300 for the increased accuracy needed by researchers performing temperature critical research. The HTEC IPTT-300 can be programmed with a user-assigned animal identification codes stored in memory on the glass encapsulated microchip. The model subcutaneous temperature can also be displayed with every scan.

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.*

AVIDITY™ SCIENCE

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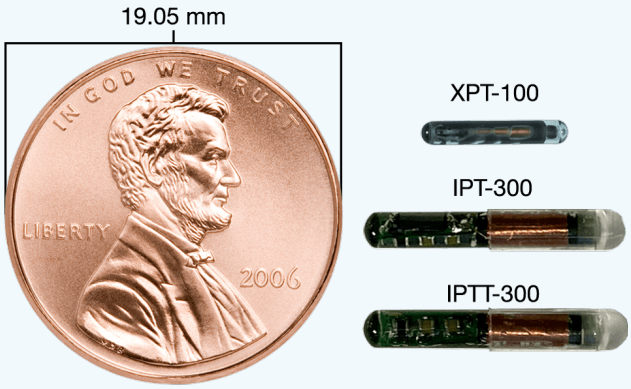
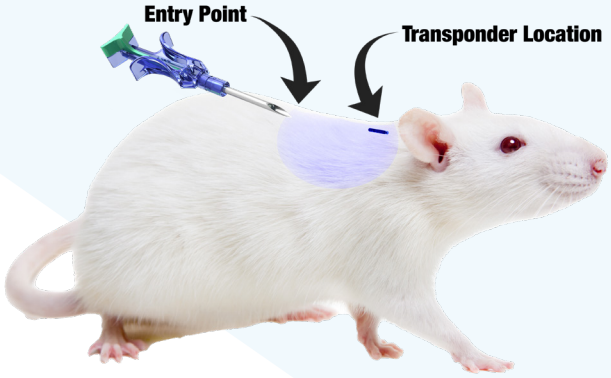
TECHNICAL INFORMATION





Technical Characteristics

Read Distance: 3 inches (76.2 millimeters)

Size: 2 millimeters in diameter & 11 millimeters long

Biocompatibility: The IPTT-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, IPTT-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.

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