



BMDS

IPT-300

Implantable Programmable Transponder™

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™.

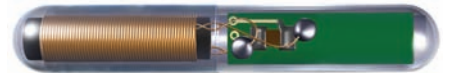
This battery free read/write Implantable Programmable Transponder™ enables you to program up to 32 alphanumeric characters onto the transponder in any coding sequence you choose, transforming each animal into a walking mini-database, and representing such information as the study number, genotype, investigator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

Designed for harmless non-surgical implantation, BMDS transponders are convenient, humane, and reliable. Approximately 14 millimeters in length by 2 millimeters in diameter, the IPT-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.

Injected with a syringe-like action, IPT-300 transponders are pre-loaded 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—all in one clean operation.



Shown at actual size



Shown at 5 times actual size

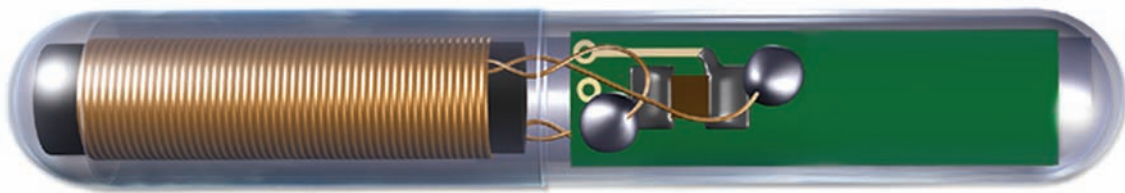
Features & Benefits

- Direct data entry to chip onboard each animal eliminates cross-referencing
- May be programmed in the needle assembly or after implantation
- May be appended, edited, or locked for user security purposes
- CRC algorithm assures absolute accuracy
- Passive, battery free
- Biocompatible; suitable for all laboratory animal species
- Internationally patented anti-migration device anchors transponder at implant site
- Memory: 32 alphanumeric characters (non-volatile data)
- Programming / Reading: Proximity, non-contact
- Maximum programmability; lower cost option
- Use with any IPTT compatible Smart Probe and 6000 series reader

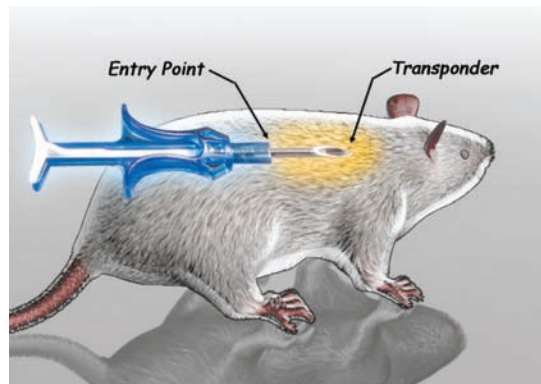


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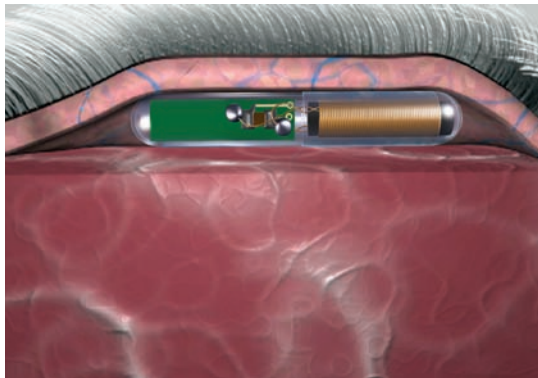
IPT-300 Functional Overview



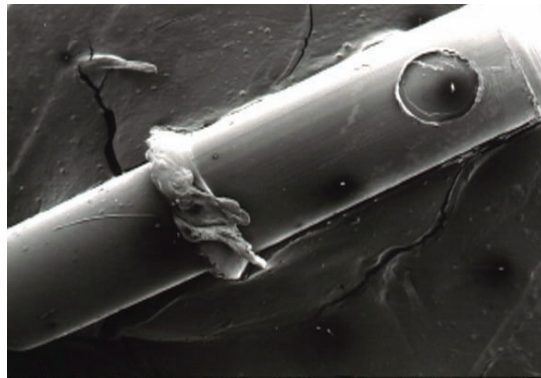
Pre-sterilized, disposable, needle assemblies



Simple to implant



Anchors securely to tissue
(Patented anti-migration)



Non-adverse physiological reaction and safe
long-term storage



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