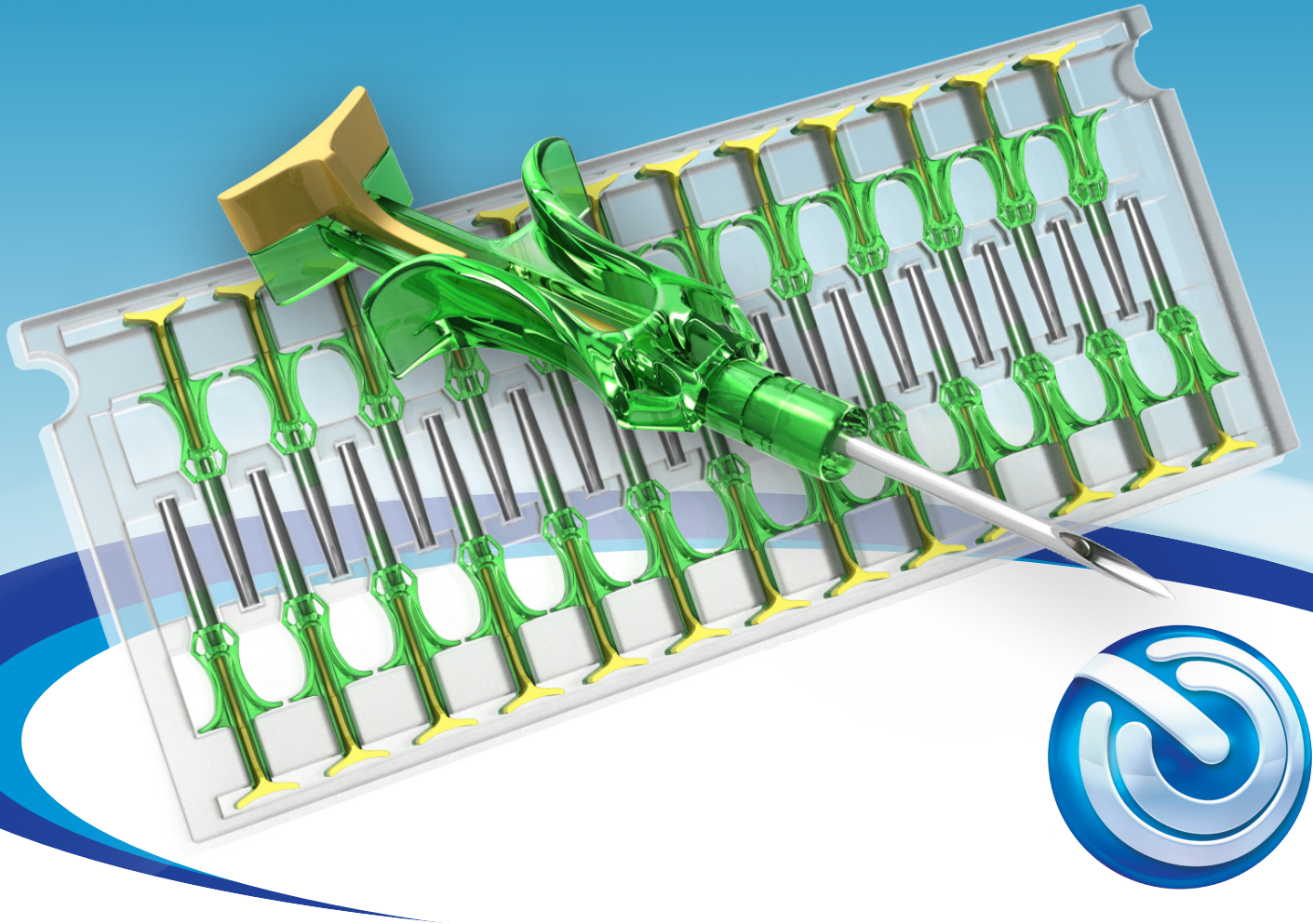


Bio Medic Data Systems



500

Implantable Micro Identification

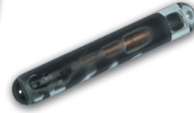


The IMI-500 is a miniature glass-encapsulated 'read only' transponder. Scanned by an appropriate BMDS reader device, the IMI-500 transmits its 10-digit alphanumeric code, making animal identification quick, easy, and fail-safe.

The IMI-500 is identical to the classic IMI-1000, except in size. Approximately 8 millimeters in length by 1.4 millimeters in diameter, the transponder features a new smaller size for specific applications. Compatible with BMDS reader systems that read the IMI-1000, IMI-500 features amazing read distance of 3 inches.

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.

Our DASHost™ software facilitates importing data into widely used applications such as Microsoft Excel™, offers a menu driven solution to collecting data from various sources (scales, calipers, etc.) and provides an ingenious method to receive, map, control and route data. Users may continue with the randomly programmed 10-digit factory code, or—via DASHost™—may choose to expand or delete the number of characters needed to fit your database. In addition, you can create a 'cross reference file' displaying alphanumeric characters to fit any coding scheme you desire.

**IMI 500**

Features and Benefits FOR IMI 500

- **Read Distance:** 3 inches (76.2 millimeter)
- **Size:** 1.4 millimeters in diameter & 8 millimeters long
- **Biocompatibility:** The IMI-500 transponder is encased in glass suitable for all laboratory species. SCHOTT - Glass number 8625, soda lime-silicate glass for encapsulation, excellent tissue compatibility.
- **Needle:** 15 gauge stainless steel
- **Memory:** 10 alphanumeric characters (non-volatile data) Data is store on board the transponder even when not powered by BMDS Smart Probe
- **Anti-Migration:** The IMI-500 is coated with a micro thin coating of Parylene C.

Convenient and Easy to Use

Injected with a syringe-like action, IMI-500 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.

For additional technical support and placing orders please contact BMDS World Headquarters. Our expert team will assist you in selection of the best combination of transponders, reader technology, and important accessories for your specific application.

BMDS.com

Please go to our website for additional information on this and other great products

About Parylene Coating

Parylene coating will encourage tissue encapsulation to prevent transponder migration. The coating forms a surface which allows for tissue fiber adhesion within the animal subcutaneous layer thereby bonding around the IMI-500 transponder holding it in place. Parylene coatings are used in many animal applications as well as for human medical use. Examples are pacemakers, forceps, catheters, stents, needles, implantable devices, and many more have a parylene coating. The coatings have been proven to prevent rejection of the item and speed up the bonding process with the tissues. Parylene is fully bio-compatible. Parylene has been FDA-approved (with USP XXII Class VI biocompatibility rating) and is safe for use within the human body. Parylene has also passed the ISO10993-1/FDA biocompatibility evaluation tests for cytotoxicity, system toxicity, hemocompatibility, sensitization, and intracutaneous reactivity.

CALL US: 800 526 BMDS

or you may reach us on our website at www.BMDS.com

