

IDT RFID Injectable Tag

RFID Animal Identification Tag



ICAR
Certified



LF
RFID



Sterile

IDT RFID Injectable Tags are suitable for monitoring, tracking, and identification of pets, fish, equines, livestock, wildlife, and endangered species for health record keeping, insurance, dairy management, and slaughterhouses. They are inserted using an injectable applicator and are fully compliant with ISO 11784/11785 animal ID standards. Each tag is encapsulated in bioglass, making it impermeable and non-toxic to animals. The microchip, about the size of a grain of rice, is implanted beneath the skin for permanent identification.

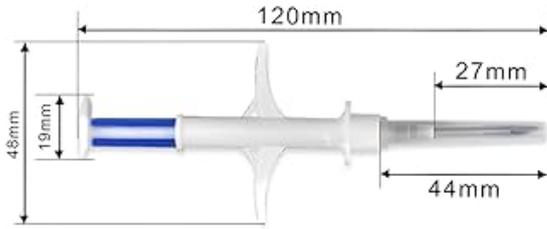
PHYSICAL PARAMETERS

Dimensions	2.12mm*12mm (L) / 1.4mm*8mm (M) / 1.25*7mm (S)
Tag Weight + Injector Weight	1.5gm+7gm / 1gm+7gm / 1gm+7gm
Encasement/Material	Bioglass
Packaging	Sterilised Premium Plastic Packing IN EO Gas

RF SPECIFICATIONS

Protocol	ISO 11784, ISO 11785 (FDX-B)	
Operating Frequency	134.2 KHz, 125 KHz (Unique, 64 bit read-only)	
Read Range	1-10 cm; Dependent upon reader, environment and application	
IC Type	Em4305	Hitags256
UID Memory	32bit	32bit
User Memory	512bit	256bit
Lock Feature	Converts EEPROM To Read Only	
Data Retention	10 Years Non Volatile Data Retention	
Read Write Cycle	Upto 1,00,000	
Tag Coating	Parylene coating	

RFID ANIMAL TAG DIMENSION



ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-25°C to +85°C
Storage Temperature	-40°C to +85°C
IP Rating	IP68 ICAR
Chemical Resistance	Alcohol, ammonium chloride 25%, fuel B, HCL 10%, salt water
Tagging Method	Subcutaneous
Injection Material	Polypropylene

PERSONALISATION

Pre-Encoding	Customer Specific Encoding
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ORDER INFORMATION

Part No.	IDT.RFT.LS.INJL
	IDT.RFT.LS.INJM
	IDT.RFT.LS.INJS

APPLICATION AREA



Semen
Collection



Health Record
Keeping



Insurance



Slaughter
House



Livestock
Identification



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The product specifications and descriptions listed in the specification sheet are subject to change anytime without notice.

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