पुणे महानगरपालिका
आरोग्य विभाग
दरपत्रक

विषय :- नसबंदी शस्त्रक्रिया व लसीकरण करताना भटक्या कुत्र्यांना मायक्रोचीप बसविणेबाबत

## 1) RFID Microchip -12mm (Passive Integrated Transponder):

Biocompatible glass tag, 100% safe & reliable RFID Transponder (Passive) for subcutaneous injection to small animal, ISO 11784/11785 as well as **ICAR certified with non-shared codes.**

- Single use syringe with detachable needly for easy recycling
- Microchip pre-loaded in syringe
- Packaged individually in a sterilized packaging
- Sharp and lubricated needle for an excellent subcutaneous penetration

## Technical Specification:

Size: Length 12mm x 2.12mm diameter
Reading distance up to 10-15cm
Encoded with Unique ICAR approved with Non-Shared manufacturer code

| **Components** | **Proposed specification** |
|---|---|
| Standard compliance ISO | FDX-B Transponder - ISO 17784/17785 |
| Operating Frequency | 134.2KHZ ± 1.5 KHz |
| Operation temperature | -25°C to +85°C |
| Storage Temperature | -40°C to +90°C |
| Material | Bio glass capsule 8625 |
| Weight | 90 mg ( +/- 20mg) |
| length | 12.0 (+/- 0.3 mm) |
| Diameter | 2.12 (+/- 0.1 mm) |
| Approval/Certification | **International Committee for Animal Recording ( ICAR ) with Non-shared Code** |
| Packaging | Individual Sterile packing consisting of Syringe with pre-loaded chip in needle along with 6 barcoded labels ready for application and customized customer name. |
| Sterilization | ETO |
| Coating (Optional) | Parylene-C ( Anti Migration Coating) |
| IP | IP68 |
| Modulation type | AM/PSK |
| Bit rate | 4194 bits/Sec |
| Expected life | >10 years |
| Encoding Format | Differential Biphase |
| Mechanical shock | IEC 68-2-29 |

| | |
|---|---|
| Mechanical Vibration | IEC 68-2-6 |
| Chemical Resistance | Inert to all petroleum-based solvents, aqueous solutions |
| Reliability | MTBF = 100,000 hours Minimum |
| Construction | Direct antenna wire bonding to integrated circuit<br>Adhesive potting within glass ampoule<br>Computer controlled laser annealing of glass ampoule<br>Fully automated assembly and statistical process control |
| Read Speed-Performance | 18 reads/Sec (ISO Rate) |
| Error Rate- Performance | Less than 1 in $10^6$ reads |

The needle and the pusher are packaged individually in a sterilize packaging

## 2. RFID Reader

**General**

- It is universal portable RFID Reader
- Compatible with all ISO 11784 / 11785 microchips (FDX-B ISO, HDX ISO, FDX-A (FECAVA)
- Bluetooth or USB interface enabled
- Bio-Thermo reader enabled with Temperature sensing as well

**Technical features:**

- LCD screen to display the menu function & animal ID read
- Data transmission through USB or Bluetooth
- Powered with a six AAA researchable battery
- Minimum Memory 3000 ID numbers with time/date stamp in its internal memory
- Delivered with a transport/storage box optimum usage
- Autonomy of up to 15h
- Able to read 134.2 kHz, 128 kHz, 125 kHz Microchips ISO compatible
- Read range up to 10 cm
- EC certification
- IP54 with closed battery door
- Reader Weight should not be more than 350 gm including batteries
- 6 Nos. of Batteries "AAA" 1.5 V or 6 NiMH rechargeable "AAA" 1.2 V for RFID Reader

- कोटेशनसाठी कोणत्याही रजिस्ट्रेशनची अट नाही.
- कोटेशनसोबत मागील पाच वर्षामधील अनुभवाचा दाखला जोडणे आवश्यक आहे. अनुभव नसलेले कोटेशन ग्राह्य धरले जाणार नाही.
- कोटेशन दि.२५/०३/२०२६ ते दि.३०/०३/२०२६ दुपारी ३:०० वाजे पर्यंत पशुवैद्यकीय विभागामध्ये सादर करावयाचा आहे.
- कोटेशन मान्यतेचे अधिकार महापालिकेने राखून ठेवले आहेत.
- कोटेशन स्वीकारलेल्या मुदतीनंतर येणाऱ्या कोटेशनचा विचार केला जाणार नाही.

(डॉ.निना बोराडे)
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