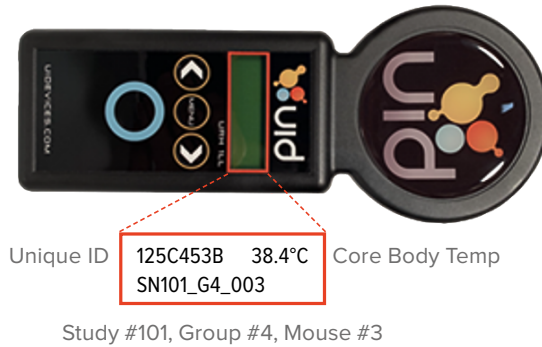


Unified Information Devices (UID) is a leading provider of radio-frequency identification (RFID) solutions that empower researchers to generate higher quality data faster, accurately and consistently. UID Identification Solutions combines advanced RFID technology with novel software to facilitate the identification and tracking of research animals and other laboratory items. This innovative range of products help automate data collection, streamline processes and improve workflow efficiency.



MICROCHIPS FOR ANIMAL IDENTIFICATION

Three models for RFID identification, programmable microchips are provided in individually packed, sterile blister pack or in sharp, triple ground cannula for easy insertion. Packed in packages of 24, 98 or 990 pieces.



- RFID microchip with integrated temperature biosensor and unique ID
- Reliable, convenient and noninvasive method for temperature collection in lab animals
- Accurate core body temperature measurement (accuracy $\pm 0.1^{\circ}\text{C}$)
- Fast and reliable temperature readings with a simple scan
- Eliminate animal stress associated with invasive probes
- For mostly animal species, mainly for: mice, rats, guinea pigs, ferrets, reptiles, rabbits, dogs, primates, sheep

Model information

UC-1485	Programmable identification microchip, dimensions: \varnothing 1.4 mm x 8.5 mm
UCT-2112	Programmable identification microchip with animal body temperature detecting. Dimensions: \varnothing 2.1 mm x 12 mm. Suitable with X-ray and 12T MRI imaging systems use.
UC-2112	Programmable identification microchip, dimensions: \varnothing 2.1 mm x 12 mm

Microchip injectors

UID offers a complete line of transponder injectors to fit the specific research need. From the low-cost, disposable devices to the fully autoclavable, reusable surgical field implanters, these injectors help facilitate microchip insertion.



Microchip programming and reading options

UBS-60 Microchip programming station, multi-transponder programmer

Station allows for convenient programming of up to 8 transponders at one time. Microchips can be programmed in the sterile cannula, before unpacking.



UBS-200L Base Station: programming and reading

Desktop reader for high throughput ID and temperature monitoring processes. This reader connects to a wand which allows a read distance up to 0,2 m. For use with LF Desktop Reader, Square Wand, or Stick Antenna.

UBS-200L can also be used as a microchip programmer with the addition of the UID Pi Software. Microchips can be programmed in the cannula prior to implantation, or in the animals after implantation.



Microchip Base Console Reader UBC-600

High-power, industrial reader designed to read encoded data from all UID implantable microchips. This reader is designed for mounting under a benchtop to maximize counter space. For use with LF Desktop Reader, Square Wand, or Stick Antenna. UBC-600 is waterproof – rating IP67.



Identification of animals in a group via color coding

The color code is programmed directly into the implanted microchip. When the animal is scanned, the light bar lights up according to the programmed color. If connected to a PC, the animal ID and color code will show on the screen, and the light bar will turn on the corresponding color light.



URC-500 High Power Console Reader

Reader provides long distance microchip reading capabilities and unmatched system durability. Optimal reading distances ranging is 0.2-0.6 m, depending on microchip size and antenna. Works with different antennas, like circle wands, square plates, primate tunnels. Waterproof, IP67 rating.

READER MODELS: ANIMAL ID AND TEMPERATURE READING



Model information	URH-1HP Handheld Reader	URH-1L Reader	LF Desktop Reader	RFID High Power Reader – URH-300HP
Recommended species	Rodents: mice, rats, hamsters, rabbits		Mice, rats	Rabbits, dogs, primates, sheep, swine, cattle and other large species
Read range	5.5 – 7.1 cm	4 – 5 cm	3 – 4 cm	15 – 20 cm
Connection to PC	USB or Bluetooth (wireless)		USB or HID interface	RS 232 with USB
Power	Battery, requires battery charger		Power over Ethernet POE	Rechargeable battery
Additional features		AC option for continuous power		Stores up to 2.000 records Optional Bluetooth

UID Mouse Matrix

monitoring of digital biomarkers in group-housed mice

This novel RFID-enabled system allows for continuous and remote monitoring of digital biomarkers, such as locomotor activity and temperature, for one or multiple mice in their home-cage environment. The undercage plate connected to the software can monitor group-housed mice in a completely undisturbed setting. Valuable research data can be collected automatically in real-time (24/7), even during the dark phase.

UID Mouse Matrix is dedicated for Allentown and Inno Vive IVC racks as well as mostly rodent conventional cages.

