

LIFECHIP®

CANADIAN COMPANION ANIMAL RADIO-FREQUENCY IDENTIFICATION (RFID) MICROTRANSPONDER SYSTEM WITH BIO-THERMO® TECHNOLOGY

DESCRIPTION

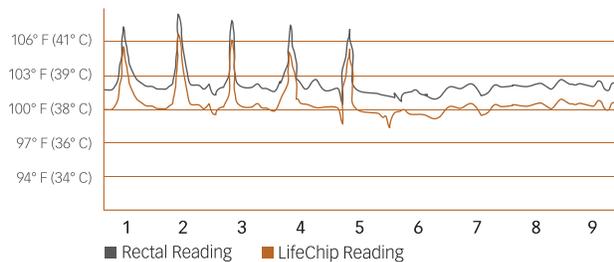
- LifeChip® Radio-Frequency Identification (RFID) microchips offer a unique and unalterable means of identifying companion animals of all ages, breeds and sizes.
- LifeChip microchips, each about the size of a grain of rice, contain a passive transponder programmed with a unique 15 digit ISO-compliant number (134.2 kHz). Once in place, these microchips can be read by any Destron Fearing or ISO-compliant reader.
- Veterinarians administer the microchip with the help of a specially designed, single-use syringe.
- Numbers can then be registered with PetLynx, an automated animal recovery service recognized by the National Companion Animal Coalition (NCAC).
- Each LifeChip microchip is capped with a patented, bio-compatible material called BioBond®, which secures the microchip to the administration site within 24 hours of placement.
- Dogs, cats and horses of all ages, sizes and breeds can receive a LifeChip microchip. Puppies, kittens and foals can receive a microchip at the time of their neonatal examination.
- With optional Bio-Thermo® technology, LifeChip microchips can provide a quick and reliable reading of a pet's body temperature.



BIO-THERMO: EXCLUSIVE TO DESTRON FEARING

- LifeChip microchips with Bio-Thermo technology give owners, breeders, trainers and veterinarians a quick and easy way to check a pet's temperature.
- Research studies demonstrate the relationship between LifeChip readings and rectal readings in determining body temperature. (See Figure 1)
- To best utilize this technology, create a profile of the pet's normal temperature range by taking rectal and Bio-Thermo temperature readings under different circumstances (e.g., at rest and during travel, exercise, breeding cycles, pregnancy and lactation).
- Consistent variations in the two readings can be identified as normal for that individual and cataloged for future reference.

Figure 1. Nine-month comparative data on LifeChip vs. rectal temperature on a single horse*



Findings: Chart indicates that the study horse's normal rectal temperature is approximately 100° F when measured over the course of several days. A consistent variation of -3° is indicated by the Bio-Thermo readings over the same course of time.

Conclusion: The study horse's actual temperature will be 3° higher than Bio-Thermo readings. Knowing this, the horse's manager or veterinarian will be able to quickly and easily identify if the horse's temperature is abnormal by adding 3° to the Bio-Thermo reading.

*Although some trial horses exhibited wider deviations from their rectal temperatures, these deviations were consistent throughout the course of the evaluation.

ADMINISTRATION

Intended for veterinary use only

Thoroughly read directions in their entirety before administration and follow as instructed. Failure to follow directions and precautions may result in improper delivery and performance

- 1) Identify the administration site. Recommended placement is as follows:
 - Dogs & Cats: On the dorsal midline, cranial to the scapula.
 - Horses: In the nuchal ligament in the middle third of the neck approximately ½" (1.3 cm) below the base of the mane. Consult the horse's breed association or regulatory agency for preferences about placement on the right or left side of the horse.
- 2) Scan the administration site and surrounding area with an approved RFID reader to determine if a microchip has been previously administered. If so, a second microchip should not be administered.
- 3) Scan the microchip in the package to:
 - Ensure proper RFID reading
 - Verify the number scanned matches the one printed on the bar code sticker
- 4) Clean and aseptically prepare the site for administration
- 5) Each LifeChip microchip is pre-loaded into a sterilized, single-use syringe. Remove the protective cap and insert the needle into the site up to its base.
- 6) Pull the needle back ¼" (0.6 cm) to create a cavity for the microchip.
- 7) Depress the plunger until the second click.
- 8) Apply light pressure to the administration site when removing the delivery device and afterward to minimize any bleeding. Treat as needed.
- 9) Replace the needle cap and properly dispose of the empty delivery device.
- 10) Rescan the microchip to ensure proper administration.
NOTE: Bio-Thermo readings sufficient for temperature tracking/management will not be attainable until 24-48 hours after microchip administration.
- 11) Affix the bar code sticker to the pet's records and/or retain the code for future reference.
- 12) Register the LifeChip microchip number into the PetLynx database at www.petlynx.net or call 1-866-petlynx (1-866-738-5969).

WARNINGS

Not for use in humans.

Not for use in animals intended for human consumption.

LifeChip with Bio-Thermo technology is one tool that can be useful in monitoring the health of recipient animals. It will not replicate rectal temperature and is not intended to provide specific/isolated diagnostics. Regardless of temperature readings, if other symptoms of illness or distress exist, consult your veterinarian for a complete examination and diagnosis.

PACKAGING SPECIFICATIONS

Product	Order #	Units / Package	Package Dimensions	Package Weight
Standard LifeChip Syringe Assemblies (985)	TX1470B10	10	4 ¾" H x 7 ⅞" W x 3 ¼" D (11.1 cm x 20.0 cm x 8.3 cm)	0.4 lbs (0.2 kg)
LifeChip with Bio-Thermo Syringe Assemblies (985)	TX1470BBT10	10	4 ¾" H x 7 ⅞" W x 3 ¼" D (11.1 cm x 20.0 cm x 8.3 cm)	0.4 lbs (0.2 kg)
Standard LifeChip Microchips/Needles Only (985)	TX1414B25	25	7" H x 5" W x 4.5" D (17.8 cm x 12.7 cm x 11.4 cm)	5.0 lbs (2.3 kg)
LifeChip with Bio-Thermo Microchips/Needles Only (985)	TX1414BBT25	25	7" H x 5" W x 4.5" D (17.8 cm x 12.7 cm x 11.4 cm)	5.0 lbs (2.3 kg)

