

# E.TAG<sup>®</sup>

## PREMIUM PERFORMANCE RADIO FREQUENCY IDENTIFICATION (RFID) LIVESTOCK TAGS

### DESCRIPTION

e.Tags<sup>®</sup> assign a unique numeric identity to livestock through universally recognized radio frequency technology. This identification process can unlock many important value-added variables that allow producers to participate in quality, age and source verification programs, as well as reduce time, financial costs and labor on a daily basis.

### PRODUCT FEATURES

- Full duplex (FDX-B)
- ISO-compliant (134.2 kHz)
- USDA, CCIA and ICAR approved
- Optimal read range
- Tamper evident and non-tamper evident designs
- Superior cold weather application
- Sequential numbering
- Made in the United States

### ADVANTAGES

- Each e.Tag contains a passive, full duplex (FDX-B) radio-frequency identification (RFID) transponder encoded with a 15-digit identification number that can be read in milliseconds, even in “noisy” environments with high amounts of metal and electrical interference.
- Read range is up to 4 feet (1.2 m) depending on system used and at optimal tag orientation. e.Tags can be read by all ISO-compliant readers.
- e.Tags are designed to be easily applied and perform reliably in harsh conditions, including temperature ranges of -13° to 122° F (-25° to 50° C).
- Approved for use by the:
  - USDA for use in the Animal Identification Number (AIN) program
  - Canadian Cattle Identification Agency (CCIA)
  - International Committee for Animal Recording (ICAR)
- Manufactured in an ISO 9002-approved facility, the air coil and electronic components are molded and permanently sealed into a durable, high-grade polyurethane using an exclusive, patented process.
- e.Tag studs include a self-piercing component specifically angled to provide small, clean incisions. They are also treated with Infecta+Guard<sup>®</sup> to reduce the risk of infection and disease transfer, and to facilitate proper healing.
- Suitable for use in beef cattle and calves, dairy cows, swine, sheep and goats.
- e.Tags are lightweight. The Universal e.Tag weighs 0.35 oz (10 g) with the stud, while the Sheep & Goat e.Tag weighs 0.2 oz (6 g) with the stud.
- Tensile strength studies prove just one of the many ways each e.Tag is engineered to provide superior retention. (See Figure 1)



**Figure 1. Tensile strength comparison of branded livestock studs: Amount of force required to break studs**

Tag Brand	New, unused	Soaked in manure for 30 days	Soaked in ammonia for 30 days
Destron Fearing <sup>™</sup>	98 lbs	92 lbs	88 lbs
Allflex <sup>®</sup>	81 lbs	67 lbs	56 lbs
Y-TEX <sup>®</sup>	85 lbs	68 lbs	Not tested

## PRODUCT SPECIFICATIONS

SIZES	DIMENSIONS	WEIGHT
➤ Universal	1.2" diameter x 0.3" depth (3 cm x 0.7 cm)	0.35 oz (10 g)
➤ Sheep & Goat	1.0" diameter x 0.2" depth (2.5 cm x 0.5 cm)	0.20 oz (6 g)
COLORS	Yellow e.Tag with black stud	
CONSTRUCTION	High-grade polyurethane	
READ RANGE	Up to 4 feet (1.2 m) at optimal tag orientation depending on system used	
APPLICATION TEMPERATURE RANGE	-13° to 122° F (-25° to 50° C)	
APPROVALS	ISO 11784, ISO 11785, USDA, CCIA, ICAR	
POWER	Passive; able to be read by all ISO-compliant readers	
INFECTA + GUARD	Active ingredients are 1,1 Hexamethylenbis [5-(4-Chlorophenyl) Biguanide] Digluconate up to 0.99%. Inert ingredients are equivalent to 99.1%.	

## ACCESSORIES

ITEM	PRODUCT NUMBER	ITEM	PRODUCT NUMBER
Pro-Grip™ Universal Applicator	909	Head Gate Antenna Set (one right; one left)	AN4714R/L
Pro-Grip Universal Applicator Pins (6)	915	Head Gate Antenna (single; straight)	AN4711
DTR™-1 Reader	DTR1-4-K1	Axiz SB-1™ Stationary Reader w/ AC Power Supply	AXIZSB-1-00
DTR-3E Reader	DTR3E-K1	Axiz SB-1 Stationary Reader w/ DC Power Supply	AXIZSB-1-05
Panel Antenna - Large	AN4250		
Panel Antenna - Small	AN4110		

## WARNING

Infecta+Guard is self-activating upon application of the stud. Store in a cool, dry place. Do not allow stud to be exposed to moisture prior to application.

## WARRANTY

e.Tags are warranted for one year from the date of purchase against defects in materials and workmanship when used as directed.

## PACKAGING SPECIFICATIONS

Item	Product Number	Quantity Per Package	Package Dimensions	Package Weight	# Packages Per Carton	Carton Dimensions	Carton Weight
Universal	Tamper Evident	25	6" L x 4" W x 2" D (15.2 cm x 10.2 cm x 5.1 cm)	0.6 lbs (0.3 kg)	40	14" L x 10" W x 10" D (35.6 cm x 25.4 cm x 25.4 cm)	25 lbs (11.3 kg)
	Non-Tamper Evident						
Sheep & Goat	Tamper Evident	25	6" L x 4" W x 2" D (15.2 cm x 10.2 cm x 5.1 cm)	0.3 lbs (0.1 kg)	40	14" L x 10" W x 10" D (35.6 cm x 25.4 cm x 25.4 cm)	13 lbs (5.9 kg)

Distributed for Destron Fearing by:  
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