

E.TAG[®]

PREMIUM PERFORMANCE RADIO FREQUENCY IDENTIFICATION (RFID) LIVESTOCK TAGS

DESCRIPTION

e.Tags[®] 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[®] 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 [™]	98 lbs	92 lbs	88 lbs
Allflex [®]	81 lbs	67 lbs	56 lbs
Y-Text [®]	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)

