

# CHOICESETS™

## VISUAL PANEL AND RADIO FREQUENCY IDENTIFICATION (RFID) MATCHED TAG SETS

### DESCRIPTION

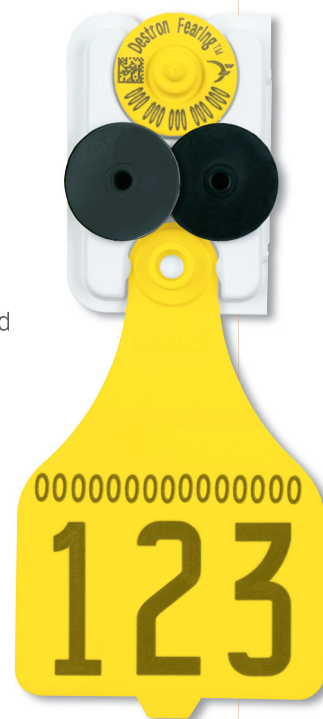
In programs where verification of marketing claims is paramount and permanent livestock identification is essential, ChoiceSets™ offer producers the ideal solution.

### PRODUCT FEATURES

- Full duplex (FDX-B)
- ISO-compliant (134.2 kHz)
- e.Tag approved by USDA and ICAR
- Optimal RFID read range
- Superior cold weather application
- Available in 985 and 840 coding

### 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. The matched panel tags facilitate daily management of livestock while the e.Tags provide source and age verification data.
- When placed in different ears, the two tag system offers producers a supplemental form of identification in case one tag is lost. (Recommended placement of the e.Tag is in the left ear.)
- e.Tags can be read by all ISO-compliant readers; read range is up to 4 feet (1.2 m) depending on the system used and at optimal tag orientation.
- Available in standard (985) and NAIS code (840) formats, e.Tags are designed to be easily applied and perform reliably in harsh conditions, including temperature ranges of -31° to 122° F (-35° to 50° C).
- e. Tags are approved for use by the:
  - USDA in the National Animal Identification System (NAIS) program
  - 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 a patented process.
- e.Tag and visual panel 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.
- ChoiceSets are lightweight, available in a variety of colors and can be printed with numbers and optional graphics by laser, ink-jet or hot-stamp systems.
- Rugged panel tags are the toughest in the industry. Tensile strength studies prove just one of the many ways each 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
Deatron 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
➤ Extra Large Panel	4 5/8" L x 3" W (11.7 cm x 7.6 cm)	0.5 oz (14.2 g)
➤ Extended Panel	3 3/4" L x 2 1/2" W (10.2 cm x 6.4 cm)	0.4 oz (11.3 g)
➤ Large Panel	2 3/4" L x 2 1/4" W (7.0 cm x 5.7 cm)	0.3 oz (8.5 g)
NOTE: Panel tags are available in both tamper and non-tamper evident designs		
➤ e.Tag	1.2" diameter x 0.3" depth (3 cm x 0.7 cm)	0.35 oz (10.0 g)
NOTE: e.Tags are only available in tamper evident		

## COLORS

➤ Panel	<span style="color: orange;">■</span> Orange <span style="color: yellow;">■</span> Yellow <span style="color: white;">■</span> White <span style="color: purple;">■</span> Purple <span style="color: red;">■</span> Red <span style="color: blue;">■</span> Blue <span style="color: green;">■</span> Green <span style="color: pink;">■</span> Pink
➤ e.Tag	<span style="color: yellow;">■</span> Yellow

CONSTRUCTION	High-grade polyurethane
READ RANGE	Up to 4 feet (1.2 m) at optimal tag orientation depending on system used
APPLICATION TEMPERATURE RANGE	-31° to 122° F (-35° to 50° C)
e.Tag APPROVALS	ISO 11784, ISO 11785, USDA, 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
Pro-Grip™ Universal Applicator	909
Pro-Grip Universal Applicator Pins (6)	915
DTR™-1 Reader	DTR1-4-K1
DTR-3E Reader	DTR3E-K1
Panel Antenna - Large	AN4250

ITEM	PRODUCT NUMBER
Panel Antenna - Small	AN4110
Head Gate Antenna Set (one right; one left)	AN4714R/L
Head Gate Antenna (single; straight)	AN4711
Axiz SB-1™ Stationary Reader w/ AC Power Supply	AXIZSB-1-00
Axiz SB-1 Stationary Reader w/ DC Power Supply	AXIZSB-1-05

## WARNINGS

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. Although the e.Tag is designed to be easily applied in sub-zero temperatures, the visual tag must be kept pliable. Keep at room temperature when applying.

## WARRANTY

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

## PACKAGING SPECIFICATIONS

Item	
ChoiceSets	All ChoiceSets products are custom made. Please call Destron Fearing Customer Service at 1-800-328-0118 to discuss colors, customization, quantities and shipment specifications.