

Raybaca

Raybaca IOT Technology Co., Ltd

Ear Tag Range Datasheet

Visual, LF and UHF ear tags side by side, with the sizes, materials, frequencies and standards published for each model, so a frequency can be settled before the first order rather than after it.

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Certifications Held

- ICAR Certificate Extra ID 900264 - Issued December 2023
- ICAR Certificate Extra ID 900250 - Issued December 2023
- ICAR Ear Tag Certificate - Raybaca ear tag certification
- CE RED Test Certificate for RBC-S18 - Radio Equipment Directive test certificate
- CE Certificate for RBC-A04 - Fixed tag reader
- 148+ patent certificates
- ISO certificate
- AAA credit certificate
- High Tech Enterprise certificate

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Visual Ear Tag

Specifications by Model

RBC-ETP09 Ear Tag

Model	RBC-ETP09
Type	Visual ear tag
Size	Female: Length 100 mm, Width 74 mm
Material	TPU (Thermoplastic Polyurethane)
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag
Compatibility	Matches all Raybaca male ear tags
Weight	Lightweight, small size
Environmental Resistance	Anti-freezing, anti-ultraviolet, waterproof

LF Ear Tag

LF ear tags operate at 134.2 kHz and comply with ISO 11784 and ISO 11785, so they deliver a reliable unique ID for livestock even in wet, dirty conditions where visual tags fail.

Who It Is For

- Cattle, sheep, goat and pig farms that need official traceability compliance
- National and provincial livestock traceability programmes requiring ISO 11784/11785 tags
- Veterinary teams conducting vaccinations and health checks in the field
- Distributors supplying traceable livestock to regulated markets
- System integrators building farm management systems that require consistent tag data

Where It Is Used

- Official health checks and vaccination records linked to a unique animal ID
- Movement documentation at farm gates or transport points using handheld readers
- Traceability checks at abattoirs where the animal must be linked to its origin farm
- Batch movement records captured during loading and unloading without handling each animal
- Long-term breeding and herd management where identity must survive three years outdoors

Specifications by Model

RBC-ET01-LF+G02 Ear Tag

Model	RBC-ET01-LF+G02
Standard	ISO 11784 / ISO 11785 (FDX-B, HDX)
Frequency	125 kHz / 134.2 kHz
Type	RFID LF ear tag, two pieces
Female Size	Length 66 mm, Width 55 mm
Male Size	Diameter 30.7 mm, Height 12.5 mm
Material	TPU thermoplastic polyurethane
Reading Distance	About 30 cm, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

RBC-ET02-LF Ear Tag

Model	RBC-ET02-LF
Standard	ISO 11784/11785 (FDX-B)
Frequency	134.2 kHz
Type	RFID LF ear tag, two pieces
Female Size	Diameter 25 mm, height 14 mm
Material	TPU thermoplastic polyurethane
Colour	Yellow, other colours available
Reading Distance	About 30 cm, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

RBC-ET03-LF Ear Tag

Model	RBC-ET03-LF
Standard	ISO 11784/11785 (FDX-B, HDX)
Frequency	134.2 kHz
Type	RFID LF ear tag, two pieces
Female Size	Length 78 mm, Width 56 mm
Male Size	Diameter 28 mm, Height 22.5 mm
Material	TPU thermoplastic polyurethane
Colour	Orange, other colours available
Reading Distance	About 30 cm, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

RBC-ET12-LF Ear Tag

Model	RBC-ET12-LF
Standard	ISO 11784/11785 (FDX-B)
Frequency	134.2 kHz
Type	RFID LF ear tag, one piece
Size	Length 80 mm, Width 18 mm, Height 12 mm
Material	TPU thermoplastic polyurethane
Reading Distance	About 30 cm, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	100 pcs per OPP bag, outer packaging selected by order quantity

RBC-ET01-LF Ear Tag

Model	RBC-ET01-LF
Standard	ISO 11784/11785 (FDX-B, HDX)
Frequency	125 kHz / 134.2 kHz
Type	RFID LF ear tag, two pieces
Female Size	Diameter 30 mm, height 13.6 mm
Male Size	Diameter 30 mm, height 13.6 mm
Material	TPU thermoplastic polyurethane
Colour	Yellow, other colours available
Reading Distance	About 30 cm (FDX-B), 60-70 cm (HDX), varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

Questions on LF Ear Tag

Are these LF ear tags compliant with ISO 11784 and ISO 11785

Yes. The tags are designed to meet both ISO 11784 and ISO 11785 standards for animal identification.

Can the tags be read through wet or dirty ears

Yes. The 134.2 kHz frequency performs better than UHF in wet and dirty conditions, and the tag body is designed to resist degradation.

What material is used in the tag body

The tag body is made from TPU thermoplastic polyurethane sourced from BASF or BAYER, which provides durability and flexibility in cold and wet environments.

Is the tag tamper-resistant

Yes. The one-way locking male button prevents the tag from being removed and reattached to another animal.

Can the tag be printed with my own numbering or logo

Yes. The tag face is laser printed, so custom numbering ranges, logos, or colours can be applied before production.

How are the tags tested before shipment

Each batch undergoes preliminary assessment, tensile test, machine readability test, and high and low temperature testing before full inspection and packing.

How are the tags packed for shipment

Tags are packed in OPP bags, typically 100 pieces per bag for each half, with outer packaging selected based on order quantity.

UHF Ear Tag

UHF ear tags read at 860-960 MHz under ISO 18000-6C, so animals can be identified from a metre or more away and read as a group rather than one at a time.

Who It Is For

- Beef and dairy farms that move cattle through races and weigh crates in batches
- Pig producers running batch movements between houses and to transport
- Traceability programmes that need reads captured at gateways and loading points
- Distributors supplying farms already running UHF reader fleets
- Integrators adding automatic animal capture to a farm management platform

Where It Is Used

- Automatic counting as cattle walk through a race or a gateway
- Loading and unloading checks against a manifest at the truck
- Weighing sessions where the scale record is matched to the animal identity
- Abattoir reads that tie a carcass back to the farm of origin
- Stocktakes across several pens without handling each animal

Specifications by Model

RBC-ET01-UHF EAR TAG

Model	RBC-ET01-UHF
Frequency	860-960 MHz
Type	RFID UHF ear tag, two pieces
Female Size	Diameter 28 mm, height 22.5 mm
Male Size	Diameter 30 mm, height 13.6 mm
Material	TPU thermoplastic polyurethane
Colour	Yellow, other colours available
Reading Distance	About 1-5 m, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

RBC-ET24-UHF Ear Tag

Model	RBC-ET24-UHF
Frequency	860-960 MHz
Type	RFID UHF ear tag, two pieces
Female Size	Length 55 mm, Width 50 mm
Male Size	Diameter 28 mm, Height 22.5 mm
Material	TPU thermoplastic polyurethane
Colour	Yellow, other colours available
Reading Distance	About 1-5 m, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

RBC-ET15-UHF Ear Tag

Model	RBC-ET15-UHF
Frequency	860-960 MHz
Type	RFID UHF ear tag, two pieces
Female Size	Diameter 30 mm, height 14 mm

Male Size	Diameter 28 mm, height 22.5 mm
Material	TPU thermoplastic polyurethane
Colour	Yellow, other colours available
Reading Distance	About 1-5 m, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

RBC-ET01-UHF+G02-Ear Tag

Model	RBC-ET01-UHF+G02
Frequency	860-960 MHz
Type	RFID UHF ear tag, two pieces
Female Size	Length 60 mm, Width 55 mm
Male Size	Diameter 30.7 mm, Height 12.5 mm
Material	TPU thermoplastic polyurethane
Colour	Yellow, other colours available
Reading Distance	About 1-5 m, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

RBC-ET20-UHF Ear Tag

Model	RBC-ET20-UHF
Frequency	860-960 MHz
Type	RFID UHF ear tag, two pieces
Female Size	Diameter 30 mm, height 12.8 mm
Male Size	Diameter 30 mm, height 25 mm
Material	TPU thermoplastic polyurethane
Colour	Yellow, other colours available
Reading Distance	About 1-5 m, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

RBC-ET23-UHF Ear Tag

Model	RBC-ET23-UHF
Frequency	860-960 MHz
Type	RFID UHF ear tag, two pieces
Size	Length 45 mm, Width 17 mm
Material	TPU thermoplastic polyurethane
Reading Distance	About 1-5 m, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

RBC-ET01-UHF-FX-Ear Tag

Model	RBC-ET01-UHF-FX
Frequency	860-960 MHz
Type	RFID UHF ear tag, two pieces
Female Size	Height 100 mm, Width 74 mm
Material	TPU thermoplastic polyurethane
Colour	Yellow, other colours available
Reading Distance	About 1-5 m, varies with reader and environment

Marking

Laser printed number, customised logo and colour

Packing

Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

Questions on UHF Ear Tag

How far will a UHF ear tag actually read

Around 1 to 5 metres in practice. The reader, the antenna and what is around the animal all move the number, so metal panels and wet coats pull it lower.

Will UHF tags work with my existing low frequency reader

No. Low frequency readers work at 134.2 kHz and cannot see a UHF tag. You need a reader in the 860-960 MHz band that supports ISO 18000-6C.

Should I choose UHF or LF for my farm

Choose UHF when you need distance and group reading at races and gateways. Choose LF when reads happen at arm's length and conditions are wet and dirty, since LF is less affected by water.

Can the tags be printed with my own numbering

Yes. The tag face is laser printed, so a numbering range, a farm or programme logo and a colour other than the standard yellow can be set before production.

What material are the tags made from

TPU thermoplastic polyurethane. Raybaca states the TPU is sourced from BASF or BAYER, which is what gives the tag its tear strength and cold flexibility.

How are UHF ear tags packed for shipment

Tags are packed in OPP bags, typically 100 pieces per bag for each half, with outer packing chosen according to the order quantity.

Cattle Ear Tag

Cattle ear tags read at 134.2 kHz using FDX-B or HDX protocols to ISO 11784 and ISO 11785 standards, so they can be read reliably at arm's length even in wet or dirty conditions.

Who It Is For

- Cattle farms that need to track individual animals through breeding, vaccination and movement
- National or provincial livestock traceability programmes requiring ISO 11784/11785 compliant tags
- Veterinary teams conducting on-farm vaccinations and health checks
- Distributors supplying ear tags to farms already using low frequency readers
- System integrators building farm management platforms that require consistent tag data

Where It Is Used

- Reading an animal's ID during a vaccination session in a muddy pen
- Tracking a cow through a breeding cycle using a handheld reader at the crush
- Matching a calf to its mother during a calf marking session with a portable reader
- Verifying animal identity at a loading point before transport to a feedlot
- Updating a farm management system with real-time data from a low frequency reader at a gate

Specifications by Model

RBC-ET01-UHF EAR TAG

Model	RBC-ET01-UHF
Frequency	860-960 MHz
Type	RFID UHF ear tag, two pieces
Female Size	Diameter 28 mm, height 22.5 mm
Male Size	Diameter 30 mm, height 13.6 mm
Material	TPU thermoplastic polyurethane
Colour	Yellow, other colours available
Reading Distance	About 1-5 m, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

RBC-ET24-UHF Ear Tag

Model	RBC-ET24-UHF
Frequency	860-960 MHz
Type	RFID UHF ear tag, two pieces
Female Size	Length 55 mm, Width 50 mm
Male Size	Diameter 28 mm, Height 22.5 mm
Material	TPU thermoplastic polyurethane
Colour	Yellow, other colours available
Reading Distance	About 1-5 m, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

RBC-ET01-LF+G02 Ear Tag

Model	RBC-ET01-LF+G02
Standard	ISO 11784 / ISO 11785 (FDX-B, HDX)
Frequency	125 kHz / 134.2 kHz
Type	RFID LF ear tag, two pieces
Female Size	Length 66 mm, Width 55 mm
Male Size	Diameter 30.7 mm, Height 12.5 mm
Material	TPU thermoplastic polyurethane
Reading Distance	About 30 cm, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

RBC-ET02-LF Ear Tag

Model	RBC-ET02-LF
Standard	ISO 11784/11785 (FDX-B)
Frequency	134.2 kHz
Type	RFID LF ear tag, two pieces
Female Size	Diameter 25 mm, height 14 mm
Material	TPU thermoplastic polyurethane
Colour	Yellow, other colours available
Reading Distance	About 30 cm, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

RBC-ET15-UHF Ear Tag

Model	RBC-ET15-UHF
Frequency	860-960 MHz
Type	RFID UHF ear tag, two pieces
Female Size	Diameter 30 mm, height 14 mm
Male Size	Diameter 28 mm, height 22.5 mm
Material	TPU thermoplastic polyurethane
Colour	Yellow, other colours available
Reading Distance	About 1-5 m, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

RBC-ET03-LF Ear Tag

Model	RBC-ET03-LF
Standard	ISO 11784/11785 (FDX-B, HDX)
Frequency	134.2 kHz
Type	RFID LF ear tag, two pieces
Female Size	Length 78 mm, Width 56 mm
Male Size	Diameter 28 mm, Height 22.5 mm
Material	TPU thermoplastic polyurethane
Colour	Orange, other colours available
Reading Distance	About 30 cm, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

RBC-ETP14-Ear Tag Tricolor

Model	RBC-ETP14 Tricolor
Type	Visual ear tag, one-sided
Material	TPU (Thermoplastic Polyurethane)
Size	Length 116 mm, Width 75 mm
Reading Method	Visual only, no electronic reading
Marking	Laser printed number, custom logo, custom colour
Packing	100 pcs per OPP bag, outer packaging selected by order quantity
Application	Used with standard ear tag applicator
Durability	Waterproof, shock resistant, anti-freezing, anti-ultraviolet

RBC-ETPG03-Ear Tag

Model	RBC-ETPG03
Type	Visual ear tag
Size	Male: Length 52 mm, Width 38 mm, Height 22.5 mm
Material	TPU (Thermoplastic Polyurethane)
Reading Method	Visual only, no electronic reading
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag
Compatibility	Fits all Raybaca female ear tags, including RBC-ETM01-UHF+PG03 and RBC-ET01-LF+G03

RBC-ETPG02-Ear Tag

Model	RBC-ETPG02
Type	Visual male ear tag
Material	TPU (Thermoplastic Polyurethane)
Size	Length 60 mm, Width 55 mm
Marking	Laser printed number, customised logo and colour
Reading	Visual only, no electronic reading
Packing	Male tags 100 pcs per OPP bag
Compatibility	Matches all Raybaca female ear tags

RBC-YX-05-Ear Tag

Model	RBC-YX-05
Type	Visual ear tag
Material	TPU (Thermoplastic Polyurethane)
Male Size	Diameter 30 mm, Height 23.5 mm
Colour	Yellow, other colours available
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag
Compatibility	Matches all Raybaca female ear tags

RBC-ETP14-Ear Tag

Model	RBC-ETP14
Type	Visual ear tag, one piece
Material	TPU (Thermoplastic Polyurethane)
Size	Length 116 mm, Width 75 mm, Height 22.5 mm
Marking	Laser printed number, customised logo and colour
Packing	100 pcs per OPP bag, female tags only
Application	Standard ear tag applicator required

Durability	Waterproof, shock-resistant, anti-freezing, anti-ultraviolet
RBC-ET01-UHF+G02-Ear Tag	
Model	RBC-ET01-UHF+G02
Frequency	860-960 MHz
Type	RFID UHF ear tag, two pieces
Female Size	Length 60 mm, Width 55 mm
Male Size	Diameter 30.7 mm, Height 12.5 mm
Material	TPU thermoplastic polyurethane
Colour	Yellow, other colours available
Reading Distance	About 1-5 m, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag
RBC-ET20-UHF Ear Tag	
Model	RBC-ET20-UHF
Frequency	860-960 MHz
Type	RFID UHF ear tag, two pieces
Female Size	Diameter 30 mm, height 12.8 mm
Male Size	Diameter 30 mm, height 25 mm
Material	TPU thermoplastic polyurethane
Colour	Yellow, other colours available
Reading Distance	About 1-5 m, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag
RBC-ETP09 Ear Tag	
Model	RBC-ETP09
Type	Visual ear tag
Size	Female: Length 100 mm, Width 74 mm
Material	TPU (Thermoplastic Polyurethane)
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag
Compatibility	Matches all Raybaca male ear tags
Weight	Lightweight, small size
Environmental Resistance	Anti-freezing, anti-ultraviolet, waterproof
RBC-ET01-LF Ear Tag	
Model	RBC-ET01-LF
Standard	ISO 11784/11785 (FDX-B, HDX)
Frequency	125 kHz / 134.2 kHz
Type	RFID LF ear tag, two pieces
Female Size	Diameter 30 mm, height 13.6 mm
Male Size	Diameter 30 mm, height 13.6 mm
Material	TPU thermoplastic polyurethane
Colour	Yellow, other colours available
Reading Distance	About 30 cm (FDX-B), 60-70 cm (HDX), varies with reader and environment
Marking	Laser printed number, customised logo and colour

Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag
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RBC-ET01-UHF-FX-Ear Tag

Model	RBC-ET01-UHF-FX
Frequency	860-960 MHz
Type	RFID UHF ear tag, two pieces
Female Size	Height 100 mm, Width 74 mm
Material	TPU thermoplastic polyurethane
Colour	Yellow, other colours available
Reading Distance	About 1-5 m, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

Questions on Cattle Ear Tag

What frequency and protocol do these ear tags use

134.2 kHz using FDX-B or HDX protocols, compliant with ISO 11784 and ISO 11785 standards

Can the tag be removed and reused on another animal

No. The tag has a one-way locking male button that prevents removal and reattachment

How long will the tag last outdoors

The TPU body is designed to resist freezing, UV exposure and tearing, supporting multi-season outdoor use

Can I print my own numbering or logo on the tag

Yes. The tag face is laser printed, so a custom numbering range, logo or colour can be applied before production

What material is used for the tag body

TPU thermoplastic polyurethane sourced from BASF or BAYER, selected for tear strength and cold flexibility

How are the tags packed for shipment

Tags are packed in OPP bags, typically 100 pieces per bag for each half, with outer packaging based on order volume

Sheep Ear Tag

LF ear tags at 134.2 kHz to ISO 11784 and ISO 11785 for sheep, readable at arm's length with low frequency readers, designed for long-term outdoor use in harsh farm conditions.

Who It Is For

- Sheep farms that need to track individual animals through breeding, lambing and sales
- National and provincial traceability programmes requiring ISO 11784/11785 compliant tags
- Veterinary teams conducting vaccinations and health checks on live sheep
- Distributors supplying sheep producers with compliant identification hardware
- System integrators building animal tracking systems for sheep operations

Where It Is Used

- Reading individual sheep during lambing to record dam and lamb pairing
- Tracking sheep through a crush for vaccination or health checks
- Matching sheep to a flock during transport and delivery
- Recording animal movements at farm gateways or loading points
- Reconciling flock records with official traceability databases

Specifications by Model

RBC-ET01-UHF EAR TAG

Model	RBC-ET01-UHF
Frequency	860-960 MHz
Type	RFID UHF ear tag, two pieces
Female Size	Diameter 28 mm, height 22.5 mm
Male Size	Diameter 30 mm, height 13.6 mm
Material	TPU thermoplastic polyurethane
Colour	Yellow, other colours available
Reading Distance	About 1-5 m, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

RBC-ET01-LF+G02 Ear Tag

Model	RBC-ET01-LF+G02
Standard	ISO 11784 / ISO 11785 (FDX-B, HDX)
Frequency	125 kHz / 134.2 kHz
Type	RFID LF ear tag, two pieces
Female Size	Length 66 mm, Width 55 mm
Male Size	Diameter 30.7 mm, Height 12.5 mm
Material	TPU thermoplastic polyurethane
Reading Distance	About 30 cm, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

RBC-ET02-LF Ear Tag

Model	RBC-ET02-LF
Standard	ISO 11784/11785 (FDX-B)
Frequency	134.2 kHz
Type	RFID LF ear tag, two pieces
Female Size	Diameter 25 mm, height 14 mm
Material	TPU thermoplastic polyurethane
Colour	Yellow, other colours available
Reading Distance	About 30 cm, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

RBC-ET15-UHF Ear Tag

Model	RBC-ET15-UHF
Frequency	860-960 MHz
Type	RFID UHF ear tag, two pieces
Female Size	Diameter 30 mm, height 14 mm
Male Size	Diameter 28 mm, height 22.5 mm
Material	TPU thermoplastic polyurethane
Colour	Yellow, other colours available
Reading Distance	About 1-5 m, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

RBC-ETPG03-Ear Tag

Model	RBC-ETPG03
Type	Visual ear tag
Size	Male: Length 52 mm, Width 38 mm, Height 22.5 mm
Material	TPU (Thermoplastic Polyurethane)
Reading Method	Visual only, no electronic reading
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag
Compatibility	Fits all Raybaca female ear tags, including RBC-ETM01-UHF+PG03 and RBC-ET01-LF+G03

RBC-ETPG02-Ear Tag

Model	RBC-ETPG02
Type	Visual male ear tag
Material	TPU (Thermoplastic Polyurethane)
Size	Length 60 mm, Width 55 mm
Marking	Laser printed number, customised logo and colour
Reading	Visual only, no electronic reading
Packing	Male tags 100 pcs per OPP bag
Compatibility	Matches all Raybaca female ear tags

RBC-YX-05-Ear Tag

Model	RBC-YX-05
Type	Visual ear tag
Material	TPU (Thermoplastic Polyurethane)
Male Size	Diameter 30 mm, Height 23.5 mm

Colour	Yellow, other colours available
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag
Compatibility	Matches all Raybaca female ear tags

RBC-ET20-UHF Ear Tag

Model	RBC-ET20-UHF
Frequency	860-960 MHz
Type	RFID UHF ear tag, two pieces
Female Size	Diameter 30 mm, height 12.8 mm
Male Size	Diameter 30 mm, height 25 mm
Material	TPU thermoplastic polyurethane
Colour	Yellow, other colours available
Reading Distance	About 1-5 m, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

RBC-ET12-LF Ear Tag

Model	RBC-ET12-LF
Standard	ISO 11784/11785 (FDX-B)
Frequency	134.2 kHz
Type	RFID LF ear tag, one piece
Size	Length 80 mm, Width 18 mm, Height 12 mm
Material	TPU thermoplastic polyurethane
Reading Distance	About 30 cm, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	100 pcs per OPP bag, outer packaging selected by order quantity

RBC-ET01-LF Ear Tag

Model	RBC-ET01-LF
Standard	ISO 11784/11785 (FDX-B, HDX)
Frequency	125 kHz / 134.2 kHz
Type	RFID LF ear tag, two pieces
Female Size	Diameter 30 mm, height 13.6 mm
Male Size	Diameter 30 mm, height 13.6 mm
Material	TPU thermoplastic polyurethane
Colour	Yellow, other colours available
Reading Distance	About 30 cm (FDX-B), 60-70 cm (HDX), varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

RBC-ET23-UHF Ear Tag

Model	RBC-ET23-UHF
Frequency	860-960 MHz
Type	RFID UHF ear tag, two pieces
Size	Length 45 mm, Width 17 mm
Material	TPU thermoplastic polyurethane
Reading Distance	About 1-5 m, varies with reader and environment

Marking

Laser printed number, customised logo and colour

Packing

Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

Questions on Sheep Ear Tag

What frequency do these ear tags use

134.2 kHz, compliant with ISO 11784 and ISO 11785 standards for livestock identification.

Can I read these tags with my existing LF reader

Yes, if your reader supports FDX-B or HDX protocols at 134.2 kHz and is ISO 11784/11785 compliant.

How long do the tags last on a sheep

The tags are designed for multi-year outdoor use. TPU material resists tearing, freezing and UV damage.

Are the tags readable through thick wool

Yes, 134.2 kHz signals penetrate wool and wet conditions better than higher frequency tags.

Can the tag be moved to another animal

No. The one-way locking male button prevents removal and reattachment to another animal.

What material are the tags made from

TPU thermoplastic polyurethane, sourced from BASF or BAYER, providing tear resistance and cold flexibility.

How are the tags packed for shipment

Tags are packed in OPP bags, typically 100 pieces per bag for each half, with outer packaging based on order volume.

Pig Ear Tag

Pig ear tags read at 134.2 kHz using FDX-B or HDX protocols to ISO 11784 and ISO 11785 standards, so each pig can be identified reliably in wet, dirty conditions and during routine handling.

Who It Is For

- Pig farms running batch movements between pens, feeding stations and transport
- National or provincial pig traceability programmes requiring compliant tags
- Veterinary teams conducting vaccinations and health checks on large groups
- Distributors supplying pig producers with compliant identification hardware
- System integrators building farm management platforms with animal tracking

Where It Is Used

- Sorting pigs at the loading ramp using a handheld reader
- Weighing sessions where the scale record is linked to the pig-s ID
- Vaccination records captured at the time of injection
- Traceability checks at the abattoir to link the carcass to the farm of origin
- Batch movements between barns recorded automatically without handling each pig

Specifications by Model

RBC-ET01-UHF EAR TAG

Model	RBC-ET01-UHF
Frequency	860-960 MHz
Type	RFID UHF ear tag, two pieces
Female Size	Diameter 28 mm, height 22.5 mm
Male Size	Diameter 30 mm, height 13.6 mm
Material	TPU thermoplastic polyurethane
Colour	Yellow, other colours available
Reading Distance	About 1-5 m, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

RBC-ET01-LF+G02 Ear Tag

Model	RBC-ET01-LF+G02
Standard	ISO 11784 / ISO 11785 (FDX-B, HDX)
Frequency	125 kHz / 134.2 kHz
Type	RFID LF ear tag, two pieces
Female Size	Length 66 mm, Width 55 mm
Male Size	Diameter 30.7 mm, Height 12.5 mm
Material	TPU thermoplastic polyurethane
Reading Distance	About 30 cm, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

RBC-ET02-LF Ear Tag

Model	RBC-ET02-LF
Standard	ISO 11784/11785 (FDX-B)
Frequency	134.2 kHz
Type	RFID LF ear tag, two pieces
Female Size	Diameter 25 mm, height 14 mm
Material	TPU thermoplastic polyurethane
Colour	Yellow, other colours available
Reading Distance	About 30 cm, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

RBC-ET15-UHF Ear Tag

Model	RBC-ET15-UHF
Frequency	860-960 MHz
Type	RFID UHF ear tag, two pieces
Female Size	Diameter 30 mm, height 14 mm
Male Size	Diameter 28 mm, height 22.5 mm
Material	TPU thermoplastic polyurethane
Colour	Yellow, other colours available
Reading Distance	About 1-5 m, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

RBC-ETPG03-Ear Tag

Model	RBC-ETPG03
Type	Visual ear tag
Size	Male: Length 52 mm, Width 38 mm, Height 22.5 mm
Material	TPU (Thermoplastic Polyurethane)
Reading Method	Visual only, no electronic reading
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag
Compatibility	Fits all Raybaca female ear tags, including RBC-ETM01-UHF+PG03 and RBC-ET01-LF+G03

RBC-ETPG02-Ear Tag

Model	RBC-ETPG02
Type	Visual male ear tag
Material	TPU (Thermoplastic Polyurethane)
Size	Length 60 mm, Width 55 mm
Marking	Laser printed number, customised logo and colour
Reading	Visual only, no electronic reading
Packing	Male tags 100 pcs per OPP bag
Compatibility	Matches all Raybaca female ear tags

RBC-YX-05-Ear Tag

Model	RBC-YX-05
Type	Visual ear tag
Material	TPU (Thermoplastic Polyurethane)
Male Size	Diameter 30 mm, Height 23.5 mm

Colour	Yellow, other colours available
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag
Compatibility	Matches all Raybaca female ear tags

RBC-ET20-UHF Ear Tag

Model	RBC-ET20-UHF
Frequency	860-960 MHz
Type	RFID UHF ear tag, two pieces
Female Size	Diameter 30 mm, height 12.8 mm
Male Size	Diameter 30 mm, height 25 mm
Material	TPU thermoplastic polyurethane
Colour	Yellow, other colours available
Reading Distance	About 1-5 m, varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

RBC-ET01-LF Ear Tag

Model	RBC-ET01-LF
Standard	ISO 11784/11785 (FDX-B, HDX)
Frequency	125 kHz / 134.2 kHz
Type	RFID LF ear tag, two pieces
Female Size	Diameter 30 mm, height 13.6 mm
Male Size	Diameter 30 mm, height 13.6 mm
Material	TPU thermoplastic polyurethane
Colour	Yellow, other colours available
Reading Distance	About 30 cm (FDX-B), 60-70 cm (HDX), varies with reader and environment
Marking	Laser printed number, customised logo and colour
Packing	Female tags 100 pcs per OPP bag, male tags 100 pcs per OPP bag

Questions on Pig Ear Tag

Are these tags compatible with my existing LF reader

Yes, if your reader operates at 134.2 kHz and supports FDX-B or HDX protocols to ISO 11784 and ISO 11785 standards.

How long do the tags last on a pig

The tags are designed to survive multiple seasons in barn and outdoor conditions, with TPU material tested for cold and UV resistance.

Can the tags be removed and reused on another pig

No. The one-way locking male button prevents removal and reattachment to another animal.

What material is used in the tag body

The tag body is made from TPU thermoplastic polyurethane sourced from BASF or BAYER, known for durability and flexibility.

Can the numbering be customized

Yes. The tag face is laser printed, so numbering ranges, farm codes or logos can be applied before production.

How are the tags packaged for shipment

Tags are packed in OPP bags, typically 100 pieces per bag for each half, with outer packaging selected based on order volume.