



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 41674.1-2022

**Radio frequency identification of animals - Standardization of
injection sites for different animal species - Part 1: Companion
animals (cats and dogs)**

Issued on: October 12, 2022

Implemented on: October 12, 2022

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

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foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1. Structure and Drafting Rules of Standardization Documents" drafted.

This document is part 1 of GB/T 41674 "Standardization of Injection Sites for Animal Radio Frequency Identification of Different Animal Species".

GB/T 41674 has published the following parts..

--- Part 1. Companion animals (cats and dogs).

This document is modified to adopt ISO 15639-1.2015 "Standardization of Injection Sites for Animal Radio Frequency Identification of Different Animal Species Part 1"

Section. Companion Animals (Cats and Dogs).

The technical differences between this document and ISO 15639-1.2015 and their reasons are as follows.

--- Modified the scope of application of the standard (see Chapter 1) to adapt to the development of my country's industry;

--- Replace the ISO 15639-1.2015 reference with GB/T 20563-2006, a Chinese standardization document that adopts international standards.

ISO 11784.1996 (see 3.3, 3.4, Chapter 7, Appendix A) to adapt to our technical documents;

--- Replace the reference of ISO 15639-1.2015 with GB/T 22334-2008, a Chinese standardization document that adopts international standards

ISO 11785.1996 (see 3.1, 3.3, 3.4, 3.5, Chapter 4, 5.2, Chapter 7, Appendix A) to adapt to our country's technology

document.

Please note that some content of this document may be patented. The issuing agency of this document assumes no responsibility for identifying patents.

Introduction

Since 1989, the world has used injected RFID tags for animal identification. At this stage, the RFID tag's

There is neither a standardized technique nor a standardized method for implantation.

ISO 11784 and ISO 11785 have been in force since 1996, ISO 11784 and ISO 11785 technology for RFID ear tags

Tags, rumen pill RFID tags, leg ring tags RFID tags and syringe RFID tags, etc. to identify animals. Modified and adopted in my country

GB/T 20563-2006 and GB/T 22334-2008 of ISO 11784 and ISO 11785 were officially released in 2006 and 2008.

These standards do not clearly specify the implanted animal site, GB/T 41674 aims to implant radio frequency identification tags in animals for different animal species.

parts are standardized.

According to different animal species, GB/T 41674 is intended to be composed of 2 parts.

--- Part 1. Companion animals (cats and dogs). The aim is to give standard injections of RFID tags in companion animals such as cats and dogs

part.

--- Part 2. Equines (horses, donkeys and zebras). The purpose is to give the RFID tags of equines such as horses, donkeys and zebras.

Standard injection site.

Animal radio frequency identification of injection sites for different animal species

Standardization Part 1. Companion Animals (Cats and Dogs)

1 Scope

This document specifies standard injection sites for RFID tags for different animal species.

This document applies to companion animals such as cats and dogs.

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, dated citations

documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document.

GB/T 20563-2006 Animal Radio Frequency Identification Code Structure (ISO 11784.1996, MOD)

GB/T 22334-2008 Technical guidelines for animal radio frequency identification (ISO 11785.1996, MOD)

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1

RFID reader/writer transceiver

A device that communicates with radio frequency identification tags.

Note. It is the "radio frequency reader" defined in 3.19 of GB/T 22334-2008.

3.2

RFID tag transponder

A radio frequency identification (RFID) device used to transmit stored information and store new information when activated by a radio frequency identification reader.

Note. It is the "radio frequency tag" defined in 3.22 of GB/T 22334-2008.

3.3

FDX-B/HDX RFID Reader FDX-B/HDXtransceiver

According to the definition of GB/T 20563-2006 and GB/T 22334-2008, at least read FDX-B and HDX RFID tags

Signed RFID reader.

3.4

FDX/HDX RFID TagFDX/HDXtransponder

When activated by a radio frequency identification reader, send radio frequency identification conforming to the requirements of GB/T 20563-2006 and GB/T 22334-2008

RFID device with tag code.

3.5

Enhanced RFID tag advancedtransponder

Compatible with GB/T 22334-2008, complies with ISO 14223 requirements, with additional functions (eg. anti-collision, sensor measurement function)

RFID tags with optional features such as storage and storage.

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