

ISO 19461-1:2018 (E)

Radiological protection — Measurement for the clearance of waste contaminated with radioisotopes for medical application — Part 1: Measurement of radioactivity

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Fundamentals
4.1	Radioisotopes for medical application
4.1.1	General
4.1.2	Nuclear medicine
4.1.3	Radiation therapy
4.2	Application of clearance level
4.3	Classification and characteristics of radioactive waste
5	Measurement method and procedure
5.1	General
5.2	Procedure for ¹²⁵ I
5.3	Procedure for other radionuclides
6	Requirements
6.1	Control of the radioactive waste to be stored for disposal
6.2	Measurement before storage
6.3	Storage of radioactive waste
6.4	Disposal method
7	Uncertainty
8	Documentation of radioactivity measurement results
9	Reporting of results
10	Quality control
Annex A	(informative) Example of the procedure for the clearance of radioactive waste
A.1	Purpose
A.2	Application
A.3	Definition of terms
A.4	Task and responsibility
A.4.1	Director of the medical facility
A.4.2	Radiation safety officer
A.5	Collection of radioactive waste
A.6	Methods of collecting waste
A.7	Collection bag and container for radioactive waste
A.8	Categorization of collection container
A.9	Storage of the collection bag of radioactive waste
A.10	Clearance of waste
A.11	Records related to clearance

Annex B (informative) Measurement result of the radioactivity of the radioactive waste

- B.1 Purpose**
- B.2 Results of the radioactive measurement**
 - B.2.1 General**
 - B.2.2 Radioisotope 18F**
 - B.2.3 Radioisotope 99mTc**
 - B.2.4 Radioisotope 131I**
 - B.2.5 Radioisotope 125I**
- B.3 Data of the radioactive measurement**

Page count: 18