

ISO 12790-1:2001-12 (E)

Radiation protection - Performance criteria for radiobioassay - Part 1: General principles

Contents		Page
1	Scope	1
2	Terms and definitions	1
3	Symbols and abbreviated terms	6
3.1	Symbols	6
3.2	Abbreviated terms	7
4	Direct radiobioassay (in vivo counting) measurements	8
4.1	General	8
4.2	Facility criteria	8
4.3	Identification of radionuclides	8
4.4	Quantification	9
4.5	Performance criteria for direct radiobioassay	9
4.6	Reporting results	14
4.7	Records retention	14
5	Indirect radiobioassay (in vitro) measurements	15
5.1	General	15
5.2	Responsibilities of the customer that could impact the service laboratory's performance	15
5.3	Analytical methodology	15
5.4	Performance criteria for indirect radiobioassay	17
5.5	Reporting results	20
5.6	Records retention	21
6	Quality assurance and quality control for radiobioassay laboratories	21
6.1	General	21
6.2	Quality assurance	21
6.3	Quality assurance plan	22
6.4	Quality control	23
7	Performance testing programme	24
7.1	General	24
7.2	Direct radiobioassay measurements	25
7.3	Indirect radiobioassay measurements	28
	Bibliography	31