

ISO 14644-7:2004-10 (E)

Cleanrooms and associated controlled environments - Part 7: Separative devices (clean air hoods, gloveboxes, isolators and mini-environments)

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Requirements	3
5	Design and construction	5
6	Access devices	6
6.1	Use	6
6.2	Manual operation	6
6.3	Robotic handling	7
7	Transfer devices	7
7.1	Use	7
7.2	Selection	7
7.3	Fail-safe design	7
8	Siting and installing	7
9	Testing and approval	8
9.1	General	8
9.2	Glove breach test	8
9.3	Operating differential pressure	8
9.4	Leak testing	8
9.5	Periodic testing	9
	Annex A (informative) Separation continuum concept	10
	Annex B (informative) Air-handling systems and gas systems	13
	Annex C (informative) Access devices	16
	Annex D (informative) Examples of transfer devices	22
	Annex E (informative) Leak testing	31
	Annex F (informative) Parjo leak test method	40
	Bibliography	51