

DIN EN ISO 29701:2011-01 (E)

Nanotechnologies - Endotoxin test on nanomaterial samples for in vitro systems - Limulus amoebocyte lysate (LAL) test (ISO 29701:2010)

Contents		Page
Foreword		3
Introduction		4
1	Scope	5
2	Terms and definitions	5
3	Abbreviated terms	6
4	Pre-test considerations	7
4.1	Storage of nanomaterials	7
4.2	Storage containers	7
4.3	Handling of nanomaterials	7
5	Test sample	7
5.1	Aqueous dispersion	7
5.2	Aqueous extract	7
6	Preparation of test sample	7
6.1	Dispersion method	7
6.2	Extraction method	8
6.3	Concentration	8
6.4	Storage of test sample	8
6.5	Laboratory environment	8
7	Test methods	9
7.1	Principle	9
7.2	Alternative test methods	9
7.3	Selection and validation of the test method	10
7.4	Test procedures	10
8	Assessment of results	10
8.1	General	10
8.2	Guidance on application of test	11
9	Test report	11
Annex A (informative) Examples of potential interferences to LAL test		12
Annex B (informative) Gel-clot method		13
Annex C (informative) Endpoint photometric method		17
Annex D (informative) Kinetic method		20
Bibliography		23