

Indian Standard

NANOTECHNOLOGIES — ENDOTOXIN TEST ON NANOMATERIAL SAMPLES FOR *IN VITRO* SYSTEMS—*LIMULUS* AMEBOCYTE LYSATE (LAL) TEST

1 Scope

This International Standard describes the application of a test using *Limulus* amebocyte lysate (LAL) reagent for the evaluation of nanomaterials intended for cell-based *in vitro* biological test systems. The test is suitable for use with nanomaterial samples dispersed in aqueous media, e.g. water, serum or reaction medium, and to such media incubated with nanomaterials for an appropriate duration at 37 °C.

This International Standard is restricted to test samples for *in vitro* systems, but the methods can also be adapted to nanomaterials to be administered to animals by parenteral routes.