

ISO 11063:2012-02 (E)

Soil quality - Method to directly extract DNA from soil samples

	Contents	Page
Foreword	iv	
Introduction	v	
1 Scope	1	
2 Normative references	1	
3 Terms and definitions	1	
4 Principle	1	
5 Test materials	2	
5.1 Soil	2	
5.2 Chemicals	2	
5.3 Buffers and reagents	3	
6 Apparatus	4	
7 Procedures	4	
7.1 Preparation of soil samples	4	
7.2 Mechanical and chemical lyses	4	
7.3 Protein precipitation	4	
7.4 Nucleic acid precipitation and washing	4	
7.5 Nucleic acid storage	4	
8 Estimation of soil DNA quality and quantity	5	
8.1 Soil DNA quality and purity	5	
8.2 Soil DNA quantity	5	
9 Validation of the extraction procedure	5	
10 International ring test	5	
11 Test report	5	
Annex A (informative) International ring test for evaluating soil DNA extraction procedure	7	
Bibliography	21	