

DIN EN ISO 16072:2011-09 (E)

Soil quality - Laboratory methods for determination of microbial soil respiration (ISO 16072:2002)

Contents		Page
Foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	Procedure	6
4.1	General conditions	6
4.2	Choice of the measuring system	7
5	Measuring systems	7
5.1	Determination of O ₂ consumption by static incubation in a pressure-compensation system	7
5.2	Determination of CO ₂ release by titration in a static system	8
5.3	Coulometric determination of CO ₂ release in a static system	10
5.4	Determination of CO ₂ release using an infrared gas analyser in a flow-through system	11
5.5	Determination of CO ₂ release using gas chromatography in a flow-through system and a static system	14
5.6	Determination of soil respiration by pressure measurement in a static system	19
Bibliography		23