
**Microbiology of the food chain —
Horizontal method for the
enumeration of microorganisms —**

**Part 1:
Colony count at 30 °C by the pour plate
technique**

*Microbiologie de la chaîne alimentaire — Méthode horizontale pour
le dénombrement des micro-organismes —*

*Partie 1: Comptage des colonies à 30 °C par la technique
d'ensemencement en profondeur*



Reference number
ISO 4833-1:2013(E)



COPYRIGHT PROTECTED DOCUMENT

© ISO 2013

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	2
5 Culture media and diluents	2
5.1 General.....	2
5.2 Diluents.....	2
5.3 Agar medium: plate count agar (PCA).....	2
5.4 Overlay medium (if necessary; see 9.2.7).....	3
6 Apparatus	4
7 Sampling	4
8 Preparation of test sample	4
9 Procedure	4
9.1 Test portion, initial suspension and dilutions.....	4
9.2 Inoculation and incubation.....	4
9.3 Counting of colonies.....	5
10 Expression of results	5
10.1 Method of calculation.....	5
10.2 Precision.....	5
10.3 Interpretation of test results.....	6
11 Test report	7
Annex A (informative) Use of the critical difference for the interpretation of results	8
Bibliography	9