

DIN EN ISO 6888-1:2019-06 (E)

Micro biology of food and animal feeding stuffs - Horizontal method for the enumeration of coagulase-positive staphylococci (*Staphylococcus aureus* and other species) - Part 1: Technique using Baird-Parker agar medium (ISO 6888-1:1999 + Amd 1:2003 + Amd 2:2018)

Contents	Page
Foreword	4
Foreword to Amendment 1	5
European foreword to Amendment A2.....	6
Foreword to Amendment 2	7
0 Introduction.....	8
1 Scope	9
2 Normative references	9
3 Terms and definitions.....	9
4 Principle.....	9
5 Diluent and culture media.....	10
5.1 General	10
5.2 Diluent	10
5.3 Baird-Parker agar medium	10
5.3.1 Base medium	10
5.3.2 Solutions	10
5.3.3 Complete medium	11
5.3.4 Preparation of agar plates.....	12
5.4 Brain-heart infusion broth.....	12
5.4.1 Composition.....	12
5.4.2 Preparation.....	12
5.5 Rabbit plasma	12
5.6 Rabbit plasma fibrinogen agar (RPFA) medium	13
5.6.1 General	13
5.6.2 Base medium	13
5.6.3 Solutions	13
5.6.4 Complete medium	13
5.6.5 Preparation of RPFA plates.....	14
5.6.6 Performance testing for the quality assurance of the culture medium.....	14
6 Apparatus and glassware	15
7 Sampling	15
8 Preparation of test sample	15
9 Procedure	15
9.1 Test portion, initial suspension and dilutions	15
9.2 Inoculation	15
9.3 Incubation	16
9.4 Selection of plates and interpretation	16
9.5 Confirmation	17
9.5.1 General	17
9.5.2 Coagulase tube test	17
9.5.3 Plate test using RPFA.....	17

10	Expression of results.....	18
10.1	General case	18
10.1.1	Calculation of the number a of coagulase-positive staphylococci identified for each plate selected	18
10.1.2	Calculation of the number N of identified coagulase-positive staphylococci present in the test portion	18
10.1.3	Example.....	18
10.2	Estimation of low numbers.....	19
11	Precision	20
11.1	General	20
11.2	Repeatability.....	20
11.2.1	Repeatability limit	20
11.2.2	Overall values	20
11.3	Reproducibility	20
11.3.1	Reproducibility limit.....	20
11.3.2	Overall values	21
12	Test report	21
	Annex A (informative) Results of the interlaboratory study	22
	Bibliography.....	25