

# DIN EN 17712:2025-03 (E)

## Plant biostimulants - Detection of *Staphylococcus aureus*

---

<b>Contents</b>		<b>Page</b>
European foreword .....		4
Introduction .....		6
1	Scope .....	7
2	Normative references .....	7
3	Terms and definitions .....	7
4	Principle .....	8
5	Diluents and media .....	8
5.1	General .....	8
5.2	Modified Giolitti-Cantoni broth .....	8
5.3	Baird-Parker RPF agar .....	9
6	Apparatus and glassware .....	9
7	Sampling .....	9
8	Preparation of test sample .....	10
8.1	General .....	10
8.2	Solid formulations .....	10
8.3	Liquid formulations .....	10
9	Procedure .....	10
9.1	Enrichment in Giolitti-Cantoni broth .....	10
9.2	Isolation on Baird-Parker RPF agar .....	10
9.3	Selection of plates and interpretation .....	11
10	Expression of results .....	11
11	Precision .....	11
12	Test report .....	11
13	Performance characteristics of the method .....	12
13.1	Interlaboratory studies .....	12
13.2	Sensitivity .....	12
13.3	Specificity .....	12
13.4	Positive predictive value (PPV) .....	12
13.5	Negative predictive value (NPV) .....	12
Annex A (normative) Composition and preparation of culture media and reagents .....		13
A.1	General .....	13
A.2	Baird-Parker Rabbit Plasma Fibrinogen (RPF) agar .....	13
A.3	Modified Giolitti-Cantoni broth .....	14
Annex B (informative) Repeatability and reproducibility of the method .....		15

<b>B.1</b>	<b>Materials used in the interlaboratory comparison study .....</b>	<b>15</b>
<b>B.2</b>	<b>Interlaboratory comparison results .....</b>	<b>16</b>
<b>B.3</b>	<b>Contingency table analysis .....</b>	<b>17</b>
<b>Annex ZA (informative)</b>	<b>Relationship of this European Standard and the essential requirements of Regulation (EU) 2019/1009 making available on the market of EU fertilising products aimed to be covered .....</b>	<b>18</b>
<b>18</b>	<b>Bibliography .....</b>	<b>19</b>