

DIN EN ISO 21572:2020-02 (E)

Foodstuffs - Molecular biomarker analysis - Immunochemical methods for the detection and quantification of proteins (ISO 21572:2019)

Contents	Page
European foreword	3
Foreword	4
Introduction	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 Principle	6
5 Reagents	7
6 Laboratory equipment	7
7 Sampling	7
8 Procedure	7
8.1 General.....	7
8.2 Preparation of sample solution.....	7
8.3 Extraction.....	8
8.4 Preparation of calibration curves, positive controls, and reference materials.....	8
8.5 Assay procedure.....	8
9 Interpretation and expression of results	8
9.1 General.....	8
9.2 Quantitative and semi-quantitative analysis.....	9
9.3 Qualitative analysis.....	9
10 Specific parameters that can influence results	9
10.1 General.....	9
10.2 Special considerations.....	10
10.2.1 Selectivity.....	10
10.2.2 Extraction efficiency.....	10
10.2.3 Matrix effects.....	10
10.2.4 Assay applicability.....	10
10.2.5 Hook effect.....	10
10.2.6 Parallelism/linearity.....	11
10.2.7 Limits of detection.....	11
10.2.8 Limits of quantification.....	11
11 Confirming method	11
12 Test report	11
Annex A (informative) Detection of a protein by ELISA	13
Annex B (informative) Detection of a protein or proteins by lateral flow devices	24
Bibliography	31