

ISO/TS 20224-4:2020 (E)

Molecular biomarker analysis — Detection of animal-derived materials in foodstuffs and feedstuffs by real-time PCR — Part 4: Chicken DNA detection method

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Scientific basis
5	Reagents and materials
5.1	General
5.2	PCR reagents
6	Apparatus
7	Procedure
7.1	Preparation of the test portion/sample
7.2	Preparation of DNA extracts
7.3	PCR setup
7.3.1	Reaction mixes
7.3.2	PCR controls
7.3.2.1	General
7.3.2.2	Inhibition control (reference gene assay)
7.3.3	Real-time PCR thermocycler plate set-up
7.4	Temperature-time programme
8	Accept/reject criteria
8.1	General
8.2	Identification
9	Validation status and performance criteria
9.1	General
9.2	Robustness
9.3	Reproducibility
9.4	Sensitivity
9.5	Specificity
10	Test report
Annex A	(informative) BlastN 2.9.0 results for query of GenBank refseq_genomes (441 databases)
A.1	Query
A.1.1	Query ID: AY685072.1 (bp 313-389).
A.1.2	Description: Gallus gallus transforming growth factor beta 3, intron 4 (TGF-β3) gene.
A.1.3	Molecule type: nucleic acid.
A.1.4	Query length: 77.
A.2	Distribution of the top 2 Blast hits on 2 subject sequences
A.3	Descriptions
A.4	Alignments