

ISO/TS 20224-10:2024-02 (E)

Molecular biomarker analysis - Detection of animal-derived materials in foodstuffs and feedstuffs by real-time PCR - Part 10 : Duck DNA detection method

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Scientific basis	2
5 Reagents and materials	2
5.1 General	2
5.2 PCR reagents	2
6 Apparatus	3
7 Procedure	3
7.1 Preparation of the test portion/sample	3
7.2 Preparation of DNA extracts	3
7.3 PCR setup	3
7.3.1 Reaction mixes	3
7.3.2 PCR controls	4
7.3.3 Real-time PCR thermocycler plate set-up	4
7.4 Temperature-time programme	4
8 Accept/reject criteria	5
8.1 General	5
8.2 Identification	5
9 Validation status and performance criteria	5
9.1 General	5
9.2 Robustness	5
9.3 Reproducibility	6
9.4 Sensitivity	6
9.5 Specificity	9
10 Test report	11
Annex A (informative) BlastN +2.12.0 results for query of GenBank RefSeq genome (refseq_ genomes) and whole-genome shotgun contigs (wgs)	12
Annex B (informative) Members of the Anatidae family and its family tree established with available public genomic sequences	16
Bibliography	23