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(54) Title (EN): ANIMAL SPECIES-SPECIFIC AND QUANTITATIVE DETECTION OF CENTRAL NERVOUS SYSTEM TISSUE IN MEAT AND MEAT PRODUCTS

(54) Title (FR): DETECTION QUANTITATIVE ET SPECIFIQUE D'UNE ESPECE ANIMALE DE TISSUS DU SYSTEME NERVEUX CENTRAL DANS DE LA VIANDE ET DES PRODUITS CARNES

(54) Title (DE): TIERARTSPEZIFISCHER UND QUANTITATIVER NACHWEIS VON ZNS-GEWEBE IN FLEISCH UND FLEISCHERZEUGNISSEN

(57) Abstract:

(EN): The invention relates to a method for carrying out the animal species-specific and quantitative detection of central nervous system tissue in meat and meat products of ruminant animal species: cattle, sheep, goats or pigs with a real-time PCR method while using the glial fibrillary acidic protein (GFAP) messenger (m)-RNA. The inventive method is very reliable and can be carried out even in heat-treated samples.

(FR): Procédé de détection quantitative et spécifique d'une espèce animale de tissus du système nerveux central dans de la viande et des produits carnés des espèces de ruminants que sont le boeuf, le mouton et la chèvre ou de porc à l'aide d'un procédé de PCR en temps réel reposant sur l'utilisation d'ARNm de protéine acide des filaments intermédiaires gliaux (GFAP). Ledit procédé est très fiable et peut être appliqué de manière simple, même dans des échantillons traités à la chaleur.

(DE): Die vorliegende Erfindung betrifft ein Verfahren zum tierartspezifischen und quantitativen Nachweis von ZNS-Gewebe in Fleisch und Fleischerzeugnissen der Wiederkäuer-Tierarten Rind, Schaf und Ziege oder Schwein mit einem Real Time-PCR-Verfahren unter Verwendung von saurer Gliafaserprotein (GFAP) messenger (m)-RNA. Das Verfahren ist sehr sicher und einfach auch in Hitze behandelten Proben durchführbar.

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