

Poultry (chicken and turkey) plasmid DNA in solution

Art. ID	ERM-AD484k
Unit	set of 3 vials
Deliverydetails	Dry ice shipment /not restricted

Description

ERM-AD484k is a set of three buffered plasmid solutions, ERM-AD484ka, ERM-AD484kb and ERM-AD484kc at three different concentration levels. The plasmid contains a specific DNA fragment that is exclusively found in the mitochondria of poultry (chicken and turkey) animal cells. The buffered solution is made of 1 mmol/L Tris, 0.01 mmol/L EDTA pH 8.0 and supplemented with approximately 50 ng/μL of Salmon Testes (*Oncorhynchus keta*) genomic DNA. Each of the three vials contains approximately 1000 μL of plasmid solution /// INTENDED USE: ERM-AD484k is only intended to be used to determine a cut-off value of the quantitative PCR method defined in the standard operating procedure, developed by the European Union Reference Laboratory for Animal Proteins in feedingstuffs (EURL-AP-SOP-Poultry-PCR-V1.0.pdf (craw.eu)) for the technical implementation of Commission Regulation (EU) 2021/1372. The set should be used to construct calibration curves at low copy number concentration to determine a cut-off value. This cut-off value shall only be used in quantitative real time PCR to discriminate feed samples negative for poultry animal proteins from samples positive for poultry animal proteins. /// Copy number concentration: As obtained by chamber digital PCR (cdPCR) and droplet digital PCR (ddPCR) methods using the poultry (chicken and turkey) specific primers and probe described in the standard operating procedure developed by the European Union Reference Laboratory for Animal Proteins in feedingstuffs.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
ERM-AD484ka	Copy number concentration		125 ± 12	cp/μL		
ERM-AD484kb	Copy number concentration		33 ± 4	cp/μL		
ERM-AD484kc	Copy number concentration		7,7 ± 1,7	cp/μL		