



TURKISH ACCREDITATION AGENCY

ACCREDITATION CERTIFICATE

As a Testing Laboratory

T.C. TARIM VE ORMAN BAKANLIĞI Veteriner Kontrol Merkez Araştırma Enstitüsü Müdürlüğü

Central Address: ESERTEPE MAH. AHMET ŞEFİK KOLAYLI CAD. NO:21 E/1 KEÇİÖREN Ankara / Türkiye

is accredited in accordance with TS EN ISO/IEC 17025:2017 standard within the scope given in Annex following the assessment conducted by TURKAK.

Accreditation Number : AB-0048-T

Accreditation Date : 02.09.2005

Revision Date / Number : 26.09.2023 / 28

This certificate shall remain in force until **23.11.2025**, subject to continuing compliance with the standard **TS EN ISO/IEC 17025:2017**, related regulations and requirements.

Gülden Banu Müderrisoğlu
Secretary General



Turkish Accreditation Agency (TURKAK) is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) and International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Agreement (MRA) in the scope of ISO/IEC 17025.

This document has been signed by Gülden Banu Müderrisoğlu on {1} with a secure electronic signature in accordance with the electronic signature law numbered 5070. Use the QR code to verify the e-signed document.

 <p>Test TS EN ISO/IEC 17025 AB-0048-T</p>	T.C. TARIM VE ORMAN BAKANLIĞI Veteriner Kontrol Merkez Araştırma Enstitüsü Müdürlüğü	
	Accreditation Nr: AB-0048-T Revision Nr: 28 Date: 26.09.2023	
Testing Laboratory		
Address : ESERTEPE MAH. AHMET ŞEFİK KOLAYLI CAD. NO:21 E/1 KEÇİÖREN Ankara / Türkiye	Phone : +90 312 326 0090 Fax : - Email : etik.vkmae@tarimorman.gov.tr Website : https://vetkontrol.tarimorman.gov.tr/merkez	

Veterinary Testing		
Tested Materials / Products	Name of Test/Examination Method/Parameter/Analyte	Testing Method (National, International Standards, In-house Methods)
Pee (Horse pee)	Determination of effective drug remains on the heart (Quinidine) Using GC-MS	"In-house Method- "VKMAE.T.04.DOP.01/Rev05
Pee (Horse pee)	Determination of drug remains (caffeine) stimulating central nervous system Using GC-MS	"In-house Method- "VKMAE.T.04.DOP.02/Rev04
Pee (Horse pee)	Determination of sedative and anesthetic effective drug remains (pentobarbital) Using GC-MS	"In-house Method- "VKMAE.T.04.DOP.03/Rev04
Pee (Horse pee)	Determination of local anesthetic effective drug remains (3-oh lidocaine) Using LC-MS/MS	"In-house Method VKMAE.T.04.DOP.04/Rev04
Pee (Horse pee)	Determination of pain reliever drug remains (phenylbutasone) non-steroid Using LC-MS/MS	"In-hose Method "VKMAE.T.04.DOP.05/Rev04
Pee (Horse pee)	Determination of Anabolic Hormones (Testosterone and Boldenon) Using LC-MS/MS	"In-house Method "VKMAE.T.04.DOP.06/Rev10
Pee (Horse pee)	Determination of drug remains (clenbuterol) expanding respiratory tract Using LC-MS/MS	"In-house Method "VKMAE.T.04.DOP.07/Rev11
Pee (Horse pee)	Determination of corticosteroids (betamethasone and hydrocortizon) Using LC-MS/MS	"In-house Method "VKMAE.T.04.DOP.08/Rev12
Pee (Horse pee)	Determination of Diuretic Medicine (Furosemid) remains Using LC-MS/MS	"In-house Method "VKMAE.T.04.DOP.09/Rev11
Pee (Horse pee)	Determination of dimethyl sulfoxide, salicylic acid and 3-methoxytyramin by Direct Injection Method Using LC-MS/MS	"In-house Method "VKMAE.T.04.DOP.10/Rev09
Pee (Horse pee)	Determination of drug remains (Teobromin) stimulating the central nervous system Using LC-MS/MS	"In-house Method "VKMAE.T.04.DOP.11/Rev09



Accreditation Scope

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Blood plasma (Horse pee)	Determination of Anabolic Hormones (Boldenon) Using LC-MS/MS	"In-house Method "VKMAE.T.04.DOP.12/Rev08
Pee (Horse pee)	Determination of Anabolic Hormones (Estranediol) Using GC-MS	"In-house Method "VKMAE.T.04.DOP.13/Rev07
Pee (Horse pee)	Determination of Cobalt (CO) and Arsenic (AS) Using ICP-MS	"In-house Method "VKMAE.T.04.DOP.14/Rev05
Bee, honeycomb and / or petty honeycomb	Diagnosis of <i>Varroa</i> spp. Direct view and microscopic method	WOAH Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.2.7
Adult bee	Diagnosis of <i>Nosema</i> spp. Microscopic method	WOAH Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.2.4
Blood serum (horse, donkey, mule)	Diagnosis of Dourine CFT	WOAH Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.6.3
Blood serum (horse, donkey, mule)	Diagnosis OF Piroplasmosis in the Equidae (Equine pyroplasmosis- EP) Competitive ELISA	WOAH Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.6.8
Internal organs of intermediate host animals (bovine, sheep, goat, etc.)	Diagnosis of <i>Echinococcus</i> spp. larval form Direct view and microscopic method	WOAH Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.1.6
Brain (bovine)	Diagnosis of Bovine Spongiform Encephalopathy (BSE) Histopathological method	WOAH Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.4.5
Brain, Cerebellum (sheep, goat)	Diagnosis of Scrapie Histopathological method	WOAH Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.8.11
Brain (bovine)	Diagnosis of Bovine Spongiform Encephalopathy (BSE) Immunoperoxidase method	WOAH Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.4.5
Brain, the cerebellum (sheep, goat)	Diagnosis of Scrapie Immunoperoxidase method	WOAH Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.8.11
Lung, lymph nodes, intestine, liver, spleen, kidney (bovine, sheep, goat)	Diagnosis of Tuberculosis Disease Histopathological method	WOAH Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.4.6 / Chapter 3.1.13
Tongue, lip, mouth mucosa, lung (sheep, goat)	Diagnosis of Peste des Petits Ruminants (PPR) Histopathological method	WOAH Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.8.9
Tongue, lip, mouth mucosa, lung (sheep, goat)	Diagnosis of Peste des Petits Ruminants (PPR) Immunoperoxidase method	In-house Method "VKMAE.T.04.PAT.04/Rev11 (Modified by m.frencik,1993.Handbook of Immunochemistry)
Leather, tongue, lung (sheep, goat)	Diagnosis of Pox Histopathological method	WOAH Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Section 3.8.12
Blood serum (horse)	Diagnosis of Equine Infectious Anemia (Equine Infectious anemia- EIA) AGID method	WOAH Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.6.6



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Blood serum (horse)	Detection of Antibodies against Horse Sickness Virus (African Horse Sickness Virus -AHS) ELISA	WOAH Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.6.1
Blood serum and / or blood plasma (bovine)	Detection of Antibodies Against Enzootic Bovine Leucemia Virus (Enzootic Bovine Leucemia Virus-EBLV) of Bovines ELISA	WOAH Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.4.9
Blood serum (bovine, sheep, goat)	Diagnosis of Blue Tongue (BT) C-ELISA	WOAH Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.1.3
Blood serum (bovine, sheep, goat)	Diagnosis of Blue Tongue (BT) Real Time RT-PCR	WOAH Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.1.3
Anticoagulant blood, svap and internal organ samples (sheep, goat)	Diagnosis of small ruminant plague's (Peste des Petits Ruminants- PPR) Real Time PCR	WOAH Manual of Standards For Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.8.9
Blood serum (sheep, goat)	Determination of Antibody against Small Ruminant Plague (Peste des Petits Ruminants- PPR); determination consisting of C-ELISA	WOAH Manual of Standards For Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.8.9
Meat (poultry)	<i>Salmonella</i> spp. Sought	TS EN ISO 6579-1
Meat (poultry)	<i>Salmonella</i> spp. Serotyping	"In-house Method - VKMAE.T.04.BAK.01/Rev010" (Pasteur Institute, 9th Edition)
Meat (poultry)	Determination of <i>Salmonella</i> spp. antibiotic resistance Disk Diffusion Method	"In-house Method VKMAE.T.04.BAK.01/Rev010" (CLSI, 2023, 33th Edition)
blood, blood or tissue frolic, internal organ, bone (bovine, sheep, goat)	Diagnosis of Anthrax Disease Microscopic method	WOAH Manual of Standards For Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.1.1.
Adult bee, larva, pupa, wax, pollen, honey, basic honeycomb	Diagnosis of American foulbrood Emerging isolation and microscopic diagnosis	WOAH Manual of Standards For Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.2.2.
Lesion muscle tissue (bovine)	Diagnosis of Black Leg FAT	"In-house Method- VKMAE.T.04.BAK.04/Rev01" (Diagnostic Procedures in Veterinary Bacteriology and Mycology (1990), 5th Edition: 499-501)
Blood serum (animal and human)	Determination of antibody against Rabies (Rabies) virus FAVN Method	WOAH Manual of Standards for Diagnostic Test and Vaccines for Terrestrial Animals, Section 3.1.18
Brain tissue (animal and human)	Diagnosis of Rabies FAT/DFA	WOAH Manual of Standards for Diagnostic Test and Vaccines for Terrestrial Animals, Section 3.1.18
Brain tissue , salivation, tears discharge and biopsia, brain-spinal cord fluid, internal organs, biopsy from the nape zone (animal and human)	Diagnosis of Rabies Conventional RT- PCR	"In-house Method- "VKMAE.T.04.KDT.05/Rev10 (Modified from WHO Monografi ve WOAH Manula 2018)




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Brain tissue , salivation, tears discharge and biopsia, brain-spinal cord fluid, internal organs, biopsy from the nape zone (animal and human)	Diagnosis of Rabies Tissue culture infection test - RTCIT	WOAH Manual of Standards For Diagnostic Tests and Vaccines for Terrestrial Animals, 3.1.18
Blood (horse)	DNA microsatellite analysis	Kit Method- 17-Plex Equine Genotyping Kit that includes Tokens, accepted by International Society for Animal Genetics (ISAG)
Blood Serum (chicken)	Detection of Antibody against Newcastle Disease Virus (AOAV-1) ELISA	WOAH Manual of Standards for Diagnostic Tests and Vaccines For Terrestrial Animals, Chapter 3.3.14
Blood serum (chicken)	Detection of antibody composed against Avian Influenza (AI) virus ELISA	WOAH Manual of Standards for Diagnostic Tests and Vaccines For Terrestrial Animals, Chapter 3.3.4
Blood Serum Chorio Allantoic Fluid (CAS) (chicken)	Detection of Antibody against Newcastle Disease Virus (AOAV-1) HI Method	WOAH Manual of Standards for Diagnostic Tests and Vaccines For Terrestrial Animals, Chapter 3.3.14
Chorio Allantoic Fluid (CAS), tissue samples (trachea, lung); tracheal and cloacal svap samples (chicken)	Detection of Avian Influenza Virus Matrix Gene Real Time RT-PCR	WOAH Manual of Standards for Diagnostic Tests and Vaccines For Terrestrial Animals, Chapter 3.3.4
Chorio Allantoic Fluid (CAS) (chicken)	Detection of Avian Influenza Virus H5 subtype HI Test	WOAH Manual of standarts for Diagnostic tests and Vaccines for terrestrial animals Chapters 3.3.4
Chorio Allantoic Fluid (CAS) (chicken)	Detection of Avian influenza virus H7 subtype HI Test	WOAH Manual of standarts for Diagnostic tests and Vaccines for terrestrial animals Chapter 3.3.4
Chorio Allantoic Fluid (CAS) (chicken)	Detection of Newcastle Disease Virus (AOAV-1) HI Test	WOAH Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.3.14
Blood serum (human, horse, sheep, goat, cat, dog)	Diagnosis of Leptospirosis MAT	WOAH Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.1.12
Blood serum (bovine)	Diagnosis of brucellosis (RBPT)	WOAH Manual of Standards For Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.1.4.
Blood serum (bovine)	Diagnosis of brucellosis (SAT)	WOAH Manual of Standards For Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.1.4.
Blood serum (bovine)	Diagnosis of brucellosis (CFT)	WOAH TManual of Standards For Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.1.4.
Blood serum (Equidae)	Diagnosis of Ruam (Glanders / Malleus) Disease CFT	WOAH Manual of Standards For Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.6.11.
Blood plasma and / or Blood serum (bovine, sheep, goat)	Diagnosis of Paratuberculosis Disease (Johne's Disease) ELISA	WOAH Manual of Standards For Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.1.16.
Tissue (Fish)	Determination of Cadmium (Cd) Using ICP MS	NMKL 186
Tissue (Fish)	Determination of Lead (Pb) Using ICP MS	NMKL 186



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C. chauovei isolates	Diagnosis of Black Leg Disease; Conventional PCR	"In-house Method- VKMAE.T.04.BAK.05/00" (Journal of Veterinary Medical Science (2000), 62(12),1275-1281)

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Food and Feed Products		
Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Food	Detection of <i>Listeria monocytogenes</i>	ISO 11290-1
Food	<i>Detection of Salmonella spp.</i>	TS EN ISO 6579-1
Food	Census of coagulase positive staphylococcus- (<i>Staphylococcus Aureus</i> and other species) Colony count technique	ISO 6888-1
Food	Aerobic colony count pouring plaque technique	TS EN ISO 4833-1
Food	Detection of <i>Escherichia Coli</i> O157	ISO 16654
Meat and meat products	Type Detection (Search for Pork) ELISA Method Pretreatment: Protein extraction	Kit Method (ELISA-TEK Cooked Meat Speciation Kits Manual)
Meat and meat products	Type Detection (Beef) ELISA Method Pretreatment: Protein extraction	Kit Method (ELISA-TEK Cooked Meat Speciation Kits Manual)
Meat and meat products	Type Detection (SheepMeat) ELISA Method Pretreatment: Protein extraction	Kit Method (ELISA-TEK Cooked Meat Speciation Kits Manual)
Meat and meat products	Type Detection (Poultry meat) ELISA Method Pretreatment: Protein extraction	Kit Method (ELISA-TEK Cooked Meat Speciation Kits Manual)
Meat and meat products	Type Detection (Horse meat) ELISA Method Pretreatment: Protein extraction	Kit Method (ELISA-TEK Cooked Meat Speciation Kits Manual)

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