



TURKISH ACCREDITATION AGENCY

ACCREDITATION CERTIFICATE

As a Testing Laboratory,

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

Ahmet Şefik Kolaylı Caddesi No:21-21A ETLİK 06020 ANKARA /
TURKEY

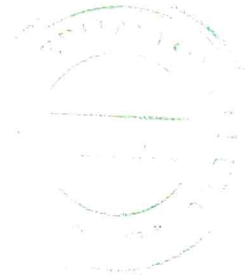
is accredited in accordance with TS EN ISO/IEC 17025:2017 standard within the scope given in Annex following the assessment conducted by **TURKAK**.

Accreditation Number : AB-0048-T

Accreditation Date : 02 September 2005

Revision Date / Number : 23 November 2021 / 025

This certificate shall remain in force until **23 November 2025**, subject to continuing compliance with the standard **TS EN ISO/IEC 17025:2017**, related regulations and requirements.



Banruşul
G. Banu MÜDERRİSOĞLU
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.

Annex of the certificate (Page 1/7)

Accreditation Scope

 	T.C. TARIM VE ORMAN BAKANLIĞI Veteriner Kontrol Merkez Araştırma Enstitüsü Müdürlüğü	
	Accreditation Nr: AB-0048-T Revision Nr: 025 Date: 23.11.2021	
As a Testing Laboratory		
Address: Ahmet Şefik Kolaylı Caddesi No:21-21A ETLİK 06020 ANKARA/TÜRKİYE	Phone : 0312 326 00 90 Fax : 0312 321 17 55 E-Mail : etlik.vkmae@tarimorman.gov.tr Website : vetkontrol.tarim.gov.tr/merkez	


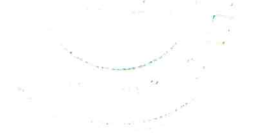
Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
-----------------------------	--------------	--

Doping Control Laboratory

Urine (Equine)	Detection of Drugs Effective on the Heart (Quinidine) using GC/MS	IN-HOUSE METHOD VKMAE.T.04.DOP.01/REV03
	Detection of Central Nervous System Stimulants (Caffeine) using GC/MS	IN-HOUSE METHOD VKMAE.T.04.DOP.02/REV02
	Detection of Sedative and Anesthetic Drugs (Pentobarbital) using GC/MS	IN-HOUSE METHOD VKMAE.T.04.DOP.03/REV02
	Detection of Local Anesthetic Drugs (3-OH-Lidocaine) using LC/MS/MS	IN-HOUSE METHOD VKMAE.T.04.DOP.04/REV02
	Detection of Non Steroidal Anti Inflammatory Drugs (Phenylbutasone) using LC/MS/MS	IN-HOUSE METHOD VKMAE.T.04.DOP.05/REV02
	Detection of Anabolic Hormones (Testosterone and Boldenone) using LC/MS/MS	IN-HOUSE METHOD VKMAE.T.04.DOP.06/REV08
	Detection of Respiratory Tract Dilating Drugs (Clenbuterol) using LC/MS/MS	IN-HOUSE METHOD VKMAE.T.04.DOP.07/REV09
	Detection of Corticosteroids (Betamethasone and Hydrocortisone) using LC/MS/MS	IN-HOUSE METHOD VKMAE.T.04.DOP.08/REV10
	Detection of Diuretics (Furosemid) using LC/MS/MS	IN-HOUSE METHOD VKMAE.T.04.DOP.09/REV09
	Detection of Dimethyl Sulphoxide, Salicylic Acid and 3-Methoxytyramine by Using Direct Injection using LC/MS/MS	IN-HOUSE METHOD VKMAE.T.04.DOP.10/REV07
	Detection of Cobalt and Arsenic using ICP-MS	IN HOUSE METHOD VKMAE .T.04.DOP14/REV03
	Detection of Anabolic Hormones (Estranediol) by GCMS	IN-HOUSE METHOD VKMAE T.04.DOP.13/REV05
	Detection of Central Nervous System Stimulants (Theobromine) using LC/MS	IN-HOUSE METHOD VKMAE.T.04.DOP.11/REV07
(Plasma)Equine	Detection of Anabolic Hormones (Boldenone) using LC/MS/MS	IN-HOUSE METHOD VKMAE.T.04.DOP.12/REV06

Bee Diseases Laboratory

Honey Bee and Honeycomb	Identification of <i>Varroa</i> spp. Direct Diagnosis and Microscopic Technique	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.2.7
-------------------------	--	--

Annex of the certificate (Page 2/7)

Accreditation Scope

	<p>T.C. TARIM VE ORMAN BAKANLIĞI Veteriner Kontrol Merkez Araştırma Enstitüsü Müdürlüğü</p> <p>Accreditation Nr: AB-0048-T Revision Nr: 025 Date: 23.11.2021</p>
---	--

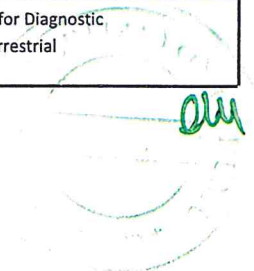
Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Adult Honeybee	Identification of <i>Nosema</i> spp. Microscopic Technique	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.2.4

Parasitology Laboratory

Serum Sample (Horse, Donkey, Mule)	Diagnosis of Equine Piroplasmosis IFAT	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.5.8
	Diagnosis of Dourine CFT	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.5.3
	Diagnosis of Equine Piroplasmosis Competitive ELISA	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.5.8
Intermediate Host Internal Organs (Mammal Animal)	Identification of Larval form of <i>Echinococcus</i> spp. Direct Diagnosis and Microscopic Technique	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.1.6

Pathology Laboratory

Brain (Cow)	Diagnosis of Bovine Spongiform Encephalopathy -BSE Histopathological Method	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.4.5 ; 3.7.11
Brain, Cerebellum (Sheep-Goat)	Diagnosis of Scrapie Histopathological Method	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.4.5 ; 3.7.11
Brain, Cerebellum (Sheep, Goat)	Diagnosis of Scrapie Immune Peroxidase method	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.4.5 ; 3.7.11
Skin, Tongue and Lung (Sheep, Goat)	Diagnosis of Sheep-Goat Pox Histopathological method.	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.7.12
Lung, Lymph, Splen, Liver, Intestine, Kidney (Cow, Sheep, Goat)	Diagnosis of Cattle Tuberculosis Histopathological Method	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.4.6
Skin, Tongue and Lung (Sheep, Goat)	Diagnosis of Peste des Petits Ruminant-PPR Immune Peroxidase Method	IN-HOUSE METHOD VKMAE.T.04.PAT.04/REV11 Modify (M. FRENCIK, (1993). Handbook of Immunochemistry)
Skin, Tongue and Lung (Sheep and Goat)	Diagnosis of Peste des Petits Ruminant-PPR Histopathological Method	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.7.9



Annex of the certificate (Page 3/7)

Accreditation Scope

 <p>T.C. TARIM VE ORMAN BAKANLIĞI Veteriner Kontrol Merkez Araştırma Enstitüsü Müdürlüğü</p> <p>Accreditation Nr: AB-0048-T Revision Nr: 025 Date: 23.11.2021</p>
--

Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Brain (Cow)	Diagnosis of Bovine Spongiform Encephalopathy -BSE İmmuno Peroxidase Method	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.4.5 ; 3.7.11

Toxicology Laboratory

Poultry Meat	Determination of Organochlorine Insecticides (Alpha- HCH, Hexachlorobenzene, Heptachlor, Aldrin, 4,4'- DDE, 4,4'- DDD, 4,4'- DDT, 2,4'- DDT, Gamma-HCH, Beta-HCH) using GC	IN-HOUSE METHOD VKMAE.T.04.TOK.01/REV05
	Determination of Pyrethroid Insecticides (Cypermethrin, Deltamethrin, Tetramethrin) using GC	IN-HOUSE METHOD VKMAE.T.04.TOK.10/REV09
Calf Urine	Determination of Anabolic Hormones (19-Nortestosterone) using GC/MS	IN-HOUSE METHOD VKMAE.T.04.TOK.02/REV02
Raw Milk	Determination of Organochlorine Insecticides (Alfa-HCH, Hekzaklorobenzen, Aldrin, Gama-HCH, Beta-HCH, 2,4-DDT, 4,4-DDE, 4,4-DDD and 4,4-DDT) using GC	IN-HOUSE METHOD VKMAE.T.04.TOK.05/REV01
	Determination of Organophosphorus Insecticide (Diazinon, Malathion and Trichlorfon) using GC	IN-HOUSE METHOD VKMAE.T.04.TOK.13/REV07
Fish Tissue	Determination of Organochlorine Insecticides (Alpha- HCH, Hexachlorobenzene, Heptachlor, Aldrin, 4,4'-DDE, 4,4'- DDD, 4,4'- DDT, 2,4'- DDT, Gamma-HCH, Beta-HCH, Dieldrin) and Polychlorinated Biphenyls (PCB 30, 52, 101, 118) using GC	IN-HOUSE METHOD VKMAE.T.04.TOK.06/REV04
Honey	Determination of Carbamate Insecticides (Methomil, Methiyocarb, Carbaryl, Carbofuran, Propoxur) using LC-MS/MS	IN-HOUSE METHOD VKMAE.T.04.TOK.03/REV04
	Determination of Organochlorine insecticides (Beta endosulphane, Bromopropilat) and Organophosphorus Insecticides (Dichlorvos, Malathion, Diazinon, Paratyonmetil, Chlorphyrifos, Caumafos) using GC	IN-HOUSE METHOD VKMAE.T.04.TOK.07/REV09
	Determination of Pyrethroid Insecticides (Cypermethrin, Flumethrin, Tau-Fluvalinate) using GC	IN-HOUSE METHOD VKMAE.T.04.TOK.09/REV08
	Determination of Amitraz and Metabolites (2,4 Dimetil Anilin, N,2,4-Dimetilfenil-N'- Metilformamid) using GC-MS	IN-HOUSE METHOD VKMAE.T.04.TOK.12/REV08
Egg	Determination of Organochlorine Insecticides (Alpha- HCH, Hexachlorobenzene, Heptachlor, Dieldrin, Aldrin, Gamma-HCH, Beta-HCH, 4,4'- DDE, 4,4'- DDD, 4,4'- DDT, 2,4'- DDT,) and PCB (PCB52, PCB101, PCB118, PCB153, PCB180) using GC	IN-HOUSE METHOD VKMAE.T.04.TOK.08/REV10



Annex of the certificate (Page 4/7)

Accreditation Scope

 <p>TÜRKAK T.C. TARIM VE ORMAN BAKANLIĞI AB-00-3-T</p>	<p>T.C. TARIM VE ORMAN BAKANLIĞI Veteriner Kontrol Merkez Araştırma Enstitüsü Müdürlüğü</p> <p>Accreditation Nr: AB-0048-T Revision Nr: 025 Date: 23.11.2021</p>
---	---

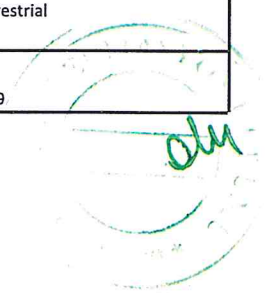
Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
-----------------------------	--------------	---

Viral Diagnosis Laboratory

Serum Sample (Equine)	Diagnosis of Equine Infectious Anaemia (EIAV) with Antibody ELISA	OIE Manual of Standards for Diagnostic Tests and Vaccines for terrestrial animals, Chapter 3.5.6
	Diagnosis of Equine Infectious Anaemia (EIAV) and Confirmation of Antibody with AGID Method	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.5.6
	Diagnosis of African Horse Sickness (AHSV) with Antibody ELISA	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.5.1
Serum or Plasma Sample (Cattle)	Diagnosis of Enzootic Bovine Leukosis (EBLV) with Antibody ELISA	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.4.9
Serum Sample (Cattle, Sheep, Goat)	Diagnosis of Bluetongue (BT) Antibody ELISA	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.1.3
Blood Sample with EDTA (Cattle, Sheep, Goat)	Diagnosis of Bluetongue (BT) with Real Time PCR	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapters 3.1.3
Anticoagulant blood, swap, internal organs samples (Sheep and Goat)	Diagnosis of Peste des Petits Ruminant (PPR) with Real Time PCR	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.7.9
Serum Sample (Sheep and Goat)	Diagnosis of Peste des Petits Ruminant (PPR) antibody with ELISA	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.7.9

Bacterial Diagnosis Laboratory

Meat (Poultry)	Isolation and Identification of <i>Salmonella</i> spp.	TS 6579-1
Meat (Poultry)	Determination of Antibiotic Resistance of <i>Salmonella</i> spp. Disk Diffusion Method	IN-HOUSE METHOD VKMAE.T.04.BAK.01/Rev05
Meat (poultry)	Serotyping of <i>Salmonella</i> spp.	INHOUSE METHOT VKMAE.T.04.BAK01/Rev05
Blood or Tissue Smear, Blood, Spleen, Bone (Cow, Goat, Sheep)	Diagnosis of Anthrax Microscopic Method	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.1.1
Adult Bee, Pulp, Larval, Wax, Pollen, Honey And Basic Honeycomb	Diagnosis of American Foulbrood Culture methods (Including microscoby)	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.2.2
Muscle Tissue with Lesion (Cattle)	Diagnosis of Blackleg Agent with FAT Method	IN-HOUSE METHOD VKMAE.T.04.BAK.04/REV09



Annex of the certificate (Page 5/7)

Accreditation Scope

	<p>T.C. TARIM VE ORMAN BAKANLIĞI Veteriner Kontrol Merkez Araştırma Enstitüsü Müdürlüğü</p> <p>Accreditation Nr: AB-0048-T Revision Nr: 025 Date: 23.11.2021</p>
---	---

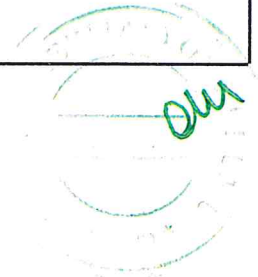
Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
-----------------------------	--------------	--

Food Control Laboratory

Foods	Detection of <i>Listeria monocytogenes</i>	TS EN ISO-11290-1
	Detection of <i>Salmonella</i> spp.	TS EN ISO 6579-1
	The Enumeration of Coagulase-Positive Staphylococci (<i>Staphylococcus aureus</i> and other species) Colony Count Technique	TS EN ISO 6888-1
	The Enumeration of Aerobic Colony Count Pour Plate Tecnique	TS EN ISO 4833-1
	Detection of <i>Escherichia coli</i> O157:H7	TS EN ISO 16654
Meat and Products	Species Identification (Pork Search) ELISA Pretreatment: Protein Extraction	Kit Method (ELISA-TEK Cooked Meat Speciation Kits Manual)
Meat and Products	Species Identification (Beef Search) ELISA Pretreatment: Protein Extraction	Kit Method (ELISA-TEK Cooked Meat Speciation Kits Manual)
Meat and Products	Species Identification (Sheep Search) ELISA Pretreatment: Protein Extraction	Kit Method (ELISA-TEK Cooked Meat Speciation Kits Manual)
Meat and Products	Species Identification (Poultry Search) ELISA Pretreatment: Protein Extraction	Kit Method (ELISA-TEK Cooked Meat Speciation Kits Manual)
Meat and Products	Species Identification (Horse meat Search) ELISA Pretreatment: Protein Extraction	Kit Method (ELISA-TEK Cooked Meat Speciation Kits Manual)


Rabies Diagnosis Laboratory

Serum sample (Animal and Human)	Detection of Antibodies Against Rabies FAVN Method	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.1.17
Brain tissue (Animal and Human)	Diagnosis of Rabies FAT	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.1.17
Brain tissue of human and animal origin material, saliva, tear fluid and crust round the eye, cerebrospinal fluid and biopsy material from nape	Diagnosis of Rabies Real Time PCR	IN-HOUSE METHOD VKMAE.T.04.KDT.05/REV10 (Modified from WHO Monografi and OIE Manula, 2013)



Annex of the certificate (Page 6/7)

Accreditation Scope

	<p>T.C. TARIM VE ORMAN BAKANLIĞI Veteriner Kontrol Merkez Araştırma Enstitüsü Müdürlüğü</p> <p>Accreditation Nr: AB-0048-T Revision Nr: 025 Date: 23.11.2021</p>
---	--

Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Brain tissue of human and animal origin material, saliva, tear fluid and crust round the eye, cerebrospinal fluid and biopsy material from nape	Diagnosis of Rabies Tissue Culture by infection test RT-CIT	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 3.1.17

Virology Vaccine Laboratory

Lyophilised Live Vaccine	Virus titration in cell culture for live attenuated lyophilized viral vaccines	OIE Manual of Standards for Diagnostic Tests and Vaccines for terrestrial animals. Chapter 3.7.11
--------------------------	--	---

Genetics Laboratory

Blood Sample (Horse)	DNA Microsatellite (STR) Analysis	International Society for Animal Genetics (ISAG),17-plex Equine Genotyping Kit
----------------------	-----------------------------------	--

Poultry Disease Diagnosis Laboratory

Blood Serum Sample (Chicken)	Detection of Newcastle Disease Virus Against Antibodies with ELISA	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals, Bölüm 3.3.14
	Detection of Avian Influenza Virus against antibodies with ELISA	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals. Chapter 3.3.4
Blood Serum sample, Corioallantoic Fluid (CAS) (Chicken)	Detection of Antibodies Against Newcastle Disease Virus (AOaV-1) with HI Test	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals,Chapter 3.3.14
Allantoic Fluid, Tissue samples (trachea, lung), Tracheal and Kloacal Svap Samples (Chicken)	Detection of Avian Influenza (AI) Virus Matrix gen with Real Time RT-PCR	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals,Chapter 3.3.4
Corioallantoic Fluid (CAS) (Chicken)	Detection of Avian Influenza H7 subtype viruse with HI Test	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals,Chapter 3.3.4
Corioallantoic Fluid (CAS) (Chicken)	Detection of Avian Influenza H5 subtype viruse with HI Test	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals,Chapter 3.3.4
Chorioallatoic fluid (CAS) (Chicken)	Detection of Newcastle (AOAV-1) subtype viruse with HI Test	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals Chapter 3.3.14

014

Annex of the certificate (Page 7/7)

Accreditation Scope

	<p>T.C. TARIM VE ORMAN BAKANLIĞI Veteriner Kontrol Merkez Araştırma Enstitüsü Müdürlüğü</p> <p>Accreditation Nr: AB-0048-T Revision Nr: 025 Date: 23.11.2021</p>
---	--

Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
-----------------------------	--------------	--

Spirochaete Diseases Diagnosis Laboratory

Serum (Human and Horse, Sheep, Goat, Cat, Dog)	Diagnosis of Leptospirosis with MAT	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals,Chapter 3.1.12
--	-------------------------------------	--

Breeding Diseases Diagnosis Laboratory

Serum sample (Bovine)	Diagnosis of Brucellosis with RBPT	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals,Chapter 3.1.4
	Diagnosis of Brucellosis with SAT	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals,Chapter 3.1.4
	Diagnosis of Brucellosis with CFT	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals,Chapter 3.1.4

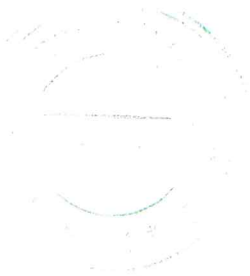
Tuberculosis, Paratuberculosis, Glanders Disease Diagnosis Laboratory

Serum sample(Equine)	Diagnosis of Glanders by CFT	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals,Chapter 3.5.11
Serum or Plasma Sample(Cattle, sheep and goat)	Diagnosis of Paratuberculosis by ELISA	OIE Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals,Chapter 3.1.15

Biochemistry Laboratory

Fish Tissue	Analysis of Cadmium by ICP-MS	NMKL 186
	Analysis of Lead by ICP-MS	NMKL 186

End of Scope



Banuçel
G. Banu MÜDERRİSOĞLU
Secretary General