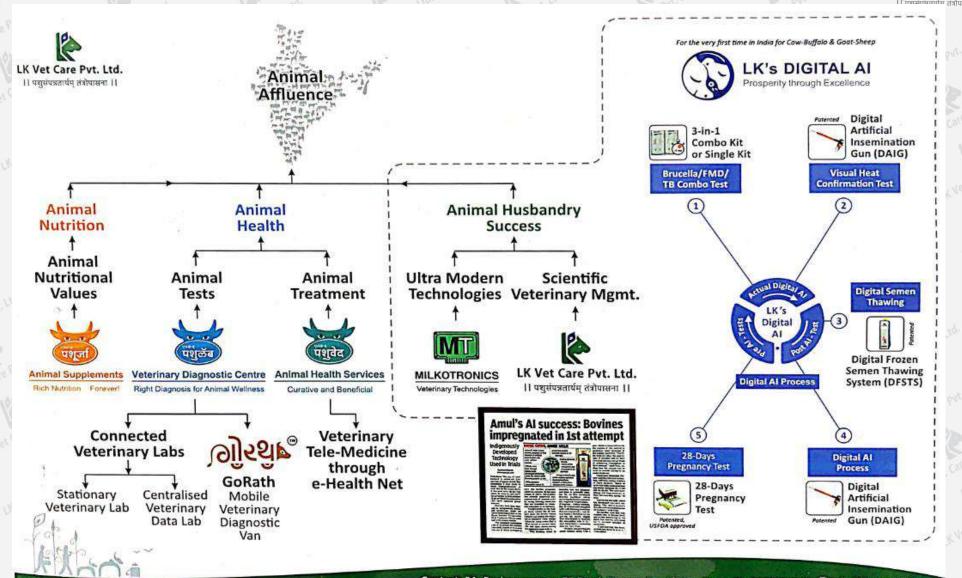


新作剂作用产品。一种 100mm



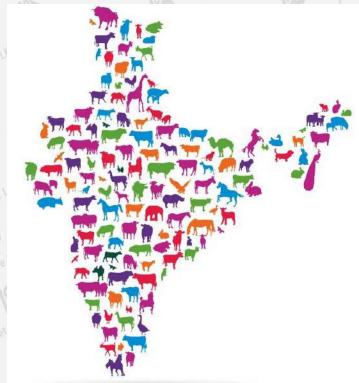






Contact: 3A, Rachna avenue, FC Road, Deccan Gymkhana, Pune. Ph: 9552524949 @info@ikvetcare.in









Animal Testing in Human Labs

Animal Testing in Animal Labs





#### Advantage of Animal Testing in Animal Labs

#### Why should animal testing be done in a dedicated animal lab?

- Animal testing, which is a crucial aspect of animal welfare, unfortunately not given enough attention due to a lack
  of awareness. Currently, the majority of animal tests, approximately 80-90%, are conducted in human labs, while
  only 10-20% are carried out in animal labs.
- However, conducting animal tests in human labs has several disadvantages, which do not promote long-term benefits in terms of animal welfare. Therefore, it is imperative that animal tests be conducted in labs specifically designed for animals.

#### Disadvantages of Animal Testing in Human Labs

#### 1) Analysis of animal tests in human labs can go wrong.

- Humans and other animals have fundamental differences in body structure and physical components in common. The parameters used for testing human health are different from those used for animal health.
- Therefore, the machines, technologies, and testing equipment required for human and animal clinical tests are
  calibrated differently. They use different reagents, chemicals, concentrations, test methods, and testing ranges.
  There is a significant disparity between these testing parameters. In general, animal tests conducted in human
  labs often follow human standards, leading to flawed analysis of the results due to incorrect standards.

#### 2) Diagnosis reports obtained from human labs can vary.

- Human labs lack veterinarians, technicians, and specialists trained in animal health diagnosis, unlike in human health diagnosis where all the necessary expertise is available.
- Human and animal medical knowledge is fundamentally different. Consequently, lab technicians in human labs
  may struggle to accurately diagnose animal tests, resulting in variations in veterinary diagnoses from human labs.

#### 3) Animal test readings obtained from human labs often resemble errors.

- Animal test readings in human labs are compared against relevant human parameters instead of being compared
  with the standard parameters for animals. Often, animal test readings in human labs are calibrated to estimate
  what those readings would be based on animal parameters, and the reports are generated accordingly.
- As a result, the animal test readings from human labs often resemble errors, leading to flawed outcomes.

#### 4) Human labs do not cater to animal's specific requirements and factors.

- Human labs only offer tests on human body components. However, many body components in animals differ from those in humans, and human labs are not specifically designed for animals.
- Animal-specific factor tests are not available in human labs.

#### 5) Human labs lack specific tests for animal diseases and body challenges.

- Humans and animals have different body structures, diseases, and body challenges. Specific diseases affecting
  animals require specialized machines, tests, and experienced veterinarians, which are only available in
  specialized animal labs.
- Consequently, tests for animal-specific diseases and body challenges are not performed in human labs, as these
  labs do not meet the specific requirements for such testing.



#### Why LK PashuLab?

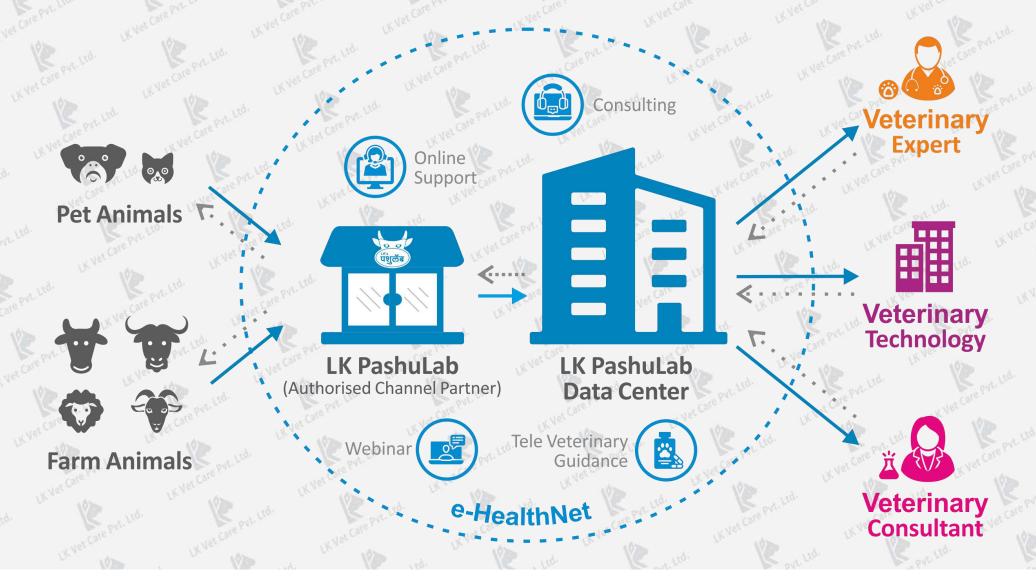
- Latest technology.
- Trained and experienced lab technicians.
- Expert veterinarians for result interpretation.
- Accurate diagnosis and affordable rates.
- A total of 120+ different animal tests.
- Specific tests for animals like cow, buffalo, dog, cat, etc.
- Milk residue tests.
- Organized, smooth test management.
- Fast and hassle-free delivery of reports via Web Software, Emails or WhatsApp to concerned vets.
- Proper resolution of doubts on the clinical report.
- Post-report generation, advice from experienced vets as per the need.
- New tests can also be performed if specific screening is required for certain animal diseases.
- Exchange of additional, up-to-date useful information/knowledge regarding clinical lab tests.
- The place to get new technology equipment related to animal husbandry.
- Customer-oriented schemes and loyalty programs.
- Discounts for loyalty members.
- · Operating from Pune, Pandharpur, Daflapur & Baramati.
- Reliable and trusted by 1500+ farmers.
- Trusted by 800+ LSS (Livestock Service Providers) & LDO (Livestock Development Officer)
- Sensitive to the livestock sector by offering lab test rates more affordable during pandemics.





### LK's e-HealthNet

















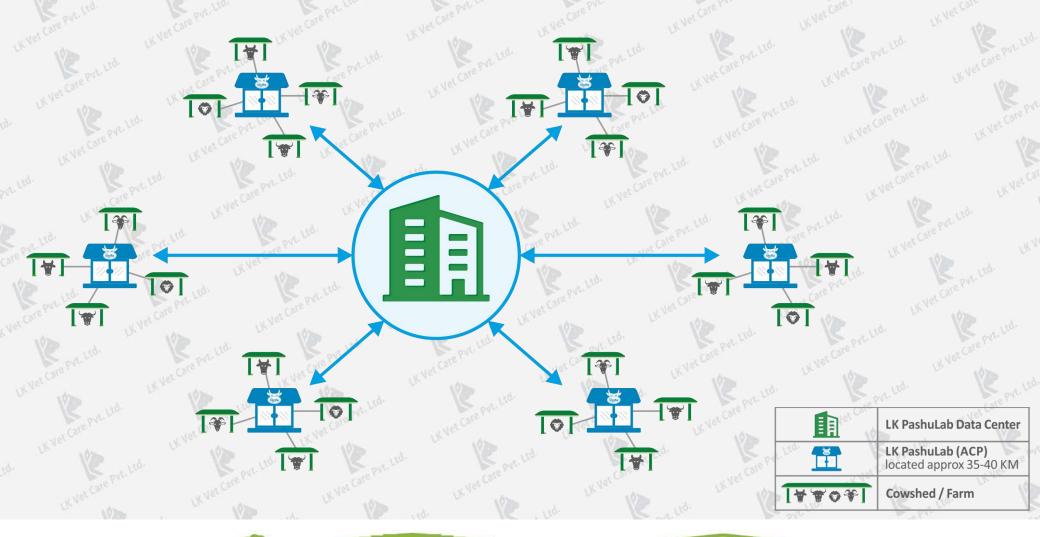






# LK's PashuLab (ACP) are remotely connected to LK's PashuLab Data Center









### LK's PashuLab - Photos





























### Farmer Registration & Sample Values Sent to Data Center

**Farmer Collects Sample** from his cowshed & submits it to PashuLab (blood/ serum/ milk/ urine/ feaces/ swab)



Registration form of farmer is filled in LK PashuLab Web **Software alongwith Cattle Data & Sample Accepted** 



**Farmer Receives Registration Message and Payment Amount Accepted** by the PashuLab Authorized **Channel Partner (ACP)** 

Dear ABC XYZ, your tests CBC, URN is registered with LK PASHULAB on 01/05/2023 at 10:11:12 AM | Amt 360.00 Powered by: LK PASHULAB

LK PashuLab Data Center











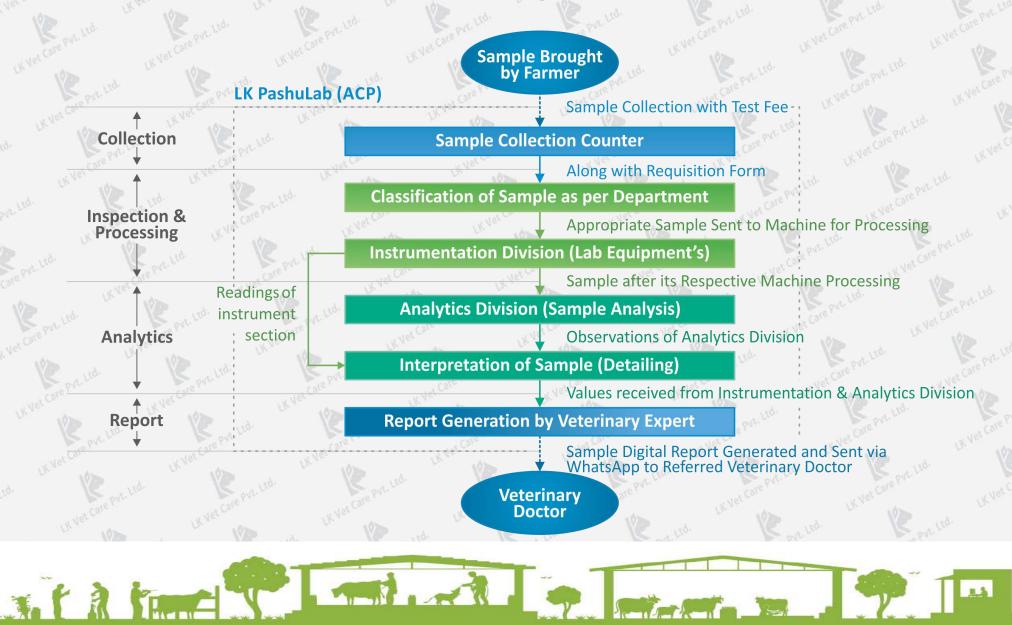








### **Department Wise Team, Management & Planned Procedures**







#### **PARASITOLOGY**

Gastro-Intestinal Parasites Ectoparasites Haemoparasites

#### MICROBIOLOGY

Isolation and Identification of Bacteria & Fungi Antibiogram

#### **REFERRAL TESTING**

Pet Transport Testing FAVN RFFIT

#### CYTOLOGY

Exfoliative Vaginal Cytology Impression Smears FNAC

# ए ए पशुळॅब

### **Veterinary Diagnostic Centre**

Right Diagnosis for Animal Wellness

#### SEROLOGY

Early Pregnancy Detection Antibody Detection Antigen Detection

#### HISTOPATHOLOGY

**HAEMATOLOGY** 

Complete Blood Count Blood Smear

Cellular Changes

Punch Biopsy Wedge Biopsy Excision Biopsy

#### **MOLECULAR DIAGNOSTICS - PCR, Realtime PCR**

Haemoparasites DNA & RNA Viral Diseases Bacterial Diseases Antibiogram Isolation and Identification of Bacteria & Fungi

#### BIOCHEMISTRY

Liver Function Tests Kidney Funtion Tests Electrolytes & Minerals















### **LK PashuLab - Test Names**



HAEMATOLOGY/ CLINICAL
PATHOLOGY/ MICROBIOLOGY

Haemogram / CBC with Protozoan Analysis

28-Days Rapid Visual Pregnancy Test - PAG based

**Blood Transfusion Kit** 

Culture & Sensitivity (Aerobic Bacterial) - Milk, Urine, Pus

Culture & Sensitivity (Fungal) - Milk, Urine

**Fecal Examination** 

Skin Scrapping

Urine - Routine Urine

#### **BIO-CHEMISTRY PANEL TESTS**

#### LIVER / KIDNEY DIAGNOSYS

Alkaline Phosphatase

Bicarbonate

Creatinine (Enzymatic)

CRP

Gamma GT

SGPT

	CHECK UP

Albumin

Alkaline Phosphatase

Bicarbonate

Bilirubin (T & D)

Calcium

Creatinine (Enzymatic)

Gamma GT

Glucose

HaemoGB

SGPT

**Total Protein** 

#### PRE-OPERATIVE PANEL

Albumin

Alkaline Phosphatase

Bicarbonate

Calcium

Cholesterol

Creatinine (Enzymatic)

CRP

Gamma GT

Glucose

**PRE-OPERATIVE PANEL** 

Haemoglobin

Inorganic Phosphorus
Lipase

Total Protein

LFT/ KFT PANEL

Albumin

Alkaline Phosphatase Alpha Amylase

Bicarbonate

Bilirubin (T & D)

Calcium

Cholesterol

Creatinine (Enzymatic)

CRP

Gamma GT

Glucose

Hemoglobin

Inorganic Phosphorus

Lipase SGPT

301 1

**Total Protein** 



### **LK PashuLab – Test Names**



		$\mathbf{L} \mathbf{N} \mathbf{M}$	ISTRY		
_	 			 \	

**PREGNANCY HEALTH PANEL** 

Albumin

Alkaline Phosphatase

Calcium

Glucose

Hemoglobin

**Inorganic Phosphorus** 

**SGPT** 

**PANCREATIC TEST PANEL** 

Alpha Amylase

Glucose

Lipase

**CARDIAC ENZYMES TEST PANEL** 

Alpha Amylase

Glucose

Lipase

**ELECTROLYTE PANEL** 

Chloride

Potassium

Sodium

TRACE ELEMENT PANEL

Calcium

Magnesium

Phosphorous

**ELISA TEST** 

Aflatoxin B1

Aflatoxin B2

Aflatoxin G1

Aflatoxin G2

**Bovine Brucellosis antibody** 

Bovine Tuberculosis antibody

Brucella Antibody Milk

Flu A Ab

Foot & Mouth Disease Viruses

Type Asia Antibody

Type-A Antibody

Type-O Antibody

Type-O Antibody

Type Asia-1 Antibody

**Hydatidosis Antibody** 

Infectious Bronchitis Virus Antibody

Marek's Disease Virus Antibody

ELISA TEST

Mycoplasma Gallisepticum Antibody

Mycoplasma Synoviae Antibody

Mycotoxin M1

Newcastle Disease Virus Antibody

Schistosomiasis Antibody

Sheep Toxoplasma Ab

**Total Estrogen** 

Transmissible Gastroenteritis Virus Ab

**FLUOROSCENCE IMMUNOASSAY** 

Cortisol

CRP

D –Dimer

Progesterone

T4

TSH

**RAPID TEST KIT** 

**BOVINE** 

**Bhb Test For Ketosis** 

Bovine Anthrax Ag

**Bovine Anthrax Spore Test** 



Canine Leptospira Ab

### LK PashuLab - Test Names



18 red 18 me led. 18 per led.	Care Put. Lin	PAT. Care Part.
RAPID TEST KIT	"KASECON" TKASECON TKASECON	LK W W
BOVINE	CANINE	FELINE
Bovine Brucella Ab	CAV Ag	FIP Ab
Bovine Brucella-TB Combo	CCV Ag	FIP-TOXO
Bovine Brucella-TB-FMD Combo	CDV Ag	FIV Ab
Bovine FMD NSP Ab	CPV-CCV Combo	FIV/FeLV Combo
Bovine Pregnancy (whole Blood)	CPV-CCV-GIARDIA-ROTA Combo	FPV Ag
Bovine Tb Ab	CPV-CDV Combo	Panleukopenia
Brucella RBPT Kit (100 T/kit)	CPV-GIARDIA-CCV Combo	Report to
Giardia Antigen Test	Ehrlichia Ab	AVIAN
LDH Test for Subclinical Mastitis	EHRLICHIA-CHW-LYME-ANAPLASMA Combo	AIV H5 Ag AIV Type A Ag
Rabies Antigen Test	Giardia Ag	IBD Ab
Rota Antigen Test	Leishmania Ab	
Sebatra Cale barr	Lyme Ab	IBDV Ag
CANINE	Rabies Ag	Mareks's Disease Ag
CPV Ag	Rota Ag	NDV Ab
Babesia	TKAS OF TKAS	NDV Ag
	FELINE	REO Ab
Canine ROTA -ADENO -GIARDIA-CCV Combo	Feline Toxoplasma	Ass WAS TREE
Canine Brucella Ab	Feline Corona	SWINE
Canine Heartworm	Feline Heartworm	Swine Brucella Ab

FeLV Ag

Swine FMD NSP Ab







अचूक निष्कर्ष; प्राण्यांचा उत्कर्ष

























जनावरांची एकत्र तपासणी केल्याने एकूण तपासणी खर्चात मोठी बचत होते आणि वेळ, मेहनत ही वाचते.

मेहनत लागते









नमूना घेणे खर्च

नमूना पोच खर्च

नमूना तपासणी खर्च

तपासणीसाठी द्यावा लागणारा एकूण वेळ

तपासणीसाठी घ्यावी लागणारी मेहनत







व्हेटेरिनरी डायग्नोस्टिक सेंटर अचुक निष्कर्ष; प्राण्यांचा उत्कर्ष मुख्य कार्यालय : डेक्कन जिमखाना, पुणे - 9552524949

मेन डेटा सेंटर : बाणेर, पुणे - 9552524941

पंढरपूर पशुलॅब : वाखरीरोंड, पंढरपूर - 8956210651 कामधेनु पशुलॅब : डफळापूर, सांगली - 9923209965 बारामती पशुलॅब : सूर्यनगरी, बारामती - 8297111213









LK Vet Care Pvt. Ltd.

LK Vet Care Pvt. Ltd.

।। पश्संपन्नतार्थम् तंत्रोपासना ।।









### खास प्राण्यांसाठी असलेल्या पशुलॅबचे वैशिष्ट्य

माहित असलेल्या नियमित आजारांच्या योग्य निष्कर्षासाठी

इतरही महत्वाच्या आजारांचे अचूक निदान करण्याऱ्या, सहज उपलब्ध न होणाऱ्या

एकंदरीत पशूपक्षांच्या आरोग्य-निष्कर्षासाठी





रुटीन चाचण्या

अत्याधूनिक नव्या चाचण्या

रुटीन आणि नव्या अशा एकत्र भरपूर चाचण्या



मुख्य कार्यालय : डेक्कन जिमखाना, पुणे - 9552524949 मेन डेटा सेंटर : बाणेर, पुणे - 9552524941

पंढरपूर पशुलॅब: वाखरीरोंड, पंढरपूर - 8956210651 कामधेनु पशुलॅब: डफळापूर, सांगली - 9923209965 बारामती पश्लॅब: सूर्यनगरी, बारामती - 8297111213



### तपासणीपासून विश्लेषणापर्यंत तज्ञ-तंत्रज्ञ



पशु सॅम्पल कलेक्टर



एक्सपर्ट पॅथालॉजिस्ट



अनुभवी विश्लेषक आणि विशेषज्ञ यांची सत्रग मोठी साखळी



व्हेटेरिनरी डायग्नोस्टिक सेंटर अच्क निष्कर्ष : प्राण्यांचा उत्कर्ष

मुख्य कार्यालय : डेक्कन जिमखाना, पूणे - 9552524949

मेन डेटा सेंटर : बाणेर, पुणे - 9552524941

पंढरपूर पशुलॅब : वाखरीरोंड, पंढरपूर - 8956210651 कामधेनु पशुलॅब: डफळापूर, सांगली - 9923209965 बारामती पशुलॅब: सूर्यनगरी, बारामती - 8297111213

































# **SAMPLE CBC REPORT WITH PROTOZOAN ANALYSIS**

THE Y



3rd Floor, Triyagoni Pet Clinic, Veerbhadra | No. 1 & 14, Vakratund Building, Pujari City, Nagar, Near Natural Living Showroom, Baner Expressway, Pune- 411045. Ph: 8956210652, 9552524949

Near KBP College Chowk, Wakhari Rd,





ASHOK SHANKAR SAWANT SEX FEMALE

LSS : Dr A Khandagale

ANIMAL ID

Test Name

Complete Blood Count .

BARAMATI PASHULAB COLLECTION DATE: 16-Apr-2023 2:17 pm

REPORTED DATE : 16-Apr-2023 2:32 pm

**Biological Ref Range** 

HAEMOGLOBIN	9.1	g/dl	9 - 14.9	
WBC COUNT		3000000		
Total WBC Count	12000	/cmm	4000-12000	
Lymphocyte Count	5760	/cmm	1700-5700	
Monocyte Count	840	/cmm	0-900	
Neutrophil Count	5160	/cmm	2300-6800	
DIFFERENTIAL COUNT				
Neutrophil	43	96	15-45	
Lymphocytes	48	96	20-60	
Eosinophil	02	% %	2-7	
Monocytes	07	96	2-20	
RBC INDICES				
Haematocrit (HCT)	21.4	96	40 - 55	
R.B.C. count	5.02	mil./cmm	5,6 - 8.0	
MCHC	42.5	g/dl	33 - 36	
MCH	18.2	pg	22 - 26	
MCV	42.7	fL.	65 - 75	
RDW-CV	16.3	96	11 - 14	
DDW CD	30 (0	er .	25.54	

RDW - SD 38.60 PLATELETS INDICES **Platelet Count** 120000-820000 7-13 MPV 4.9 PDW 51 -73 0.15 - 0.39 0.111 P-LCR (Plt. Large cell ratio) 13-43 **RBC Morphology** Normocytic Normochromic

Lymphocytosis

Not seen

Page 1 of 2

WBC Morphology

PARASITES

OTHER



LK Vet Care Pvt. Ltd.

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CIN: U74999PN2020PTC193915

No:3-A, Rachana Avenue, FC Road, Near Sagar Arcade, Deccan Gymkhana, Pune - 411004

Email: info@lkvetcare.in; Con

Contact No: 9552524949

#### **BIO-CHEMISTRY**

((Done on Fully Automatic Dry Test based IDEXX Catalyst One Analyzer)

Referred By : Shri. Self Date : 08-01-2023

Owner Name : Shri. Sanket Chondhe

Animal Type : Bovine Animal Category : Cow Bull

TESTS		RESULTS	UNIT	REF. RANGE	INTERPRETATION
Creatinine	1	1.4	mg/dL	0.5 - 1.6	
Blood Urea Nitrogen		10	mg/dL	10 - 25	
BUN/CREA		7			
ALT	8:	68	U/L		
AST	X	694	U/L	50 - 150	HIGH
ALKP	:	84	U/L	28 - 233	



Note: (1) All the test results should be interpreted with clinical data. Please correlate clinically and communicate with us, if you have any queries. The results of these test investigations are dependent on the quality of the sample as well as the assay procedure used. The clinical analysis and correlation of any/all symptoms should not be interpreted in isolation, in order to arrive at a proper and final diagnosis. (2) In case of collected specimen(s), which are referred to LK Vet Care from an individual farmer/
LSS/ Veterinary doctor/ any other referral, it is presumed that the sample demographics are verified and confirmed at the point of generation of the said specimen(s). (3) A test requested may not be performed if the sample quantity or quality is not satisfactory, in such cases, fresh specimen(s) may be required. These sample(s) are collected from field (not in a lab). LK Vet Care will not be responsible for any variations in the pathology tests. (4) LK Vet Care is committed to delivering your reports on time. However, in unforeseen circumstances such as non-availability of kits/instrument breakdown/natural calamities/IT related problems etc., reports may be delayed. LK Vet Care will ensure that this delay is minimal. (3) Any partial reproduction of this report in any form is not permitted. (0) This report is not to be used for any legal purposes or any cattle related insurance claims. (7) in case of any doubt or dispute, the report retrieved or printed by LK Vet Care will be treated as final.



















#### LK Pashulab-Veterinary Diagnostic Center Right Diagnosis For Animal Wellness

No:1, Vakratund Building, Pujari City, Near KBP College Chowk, Wakhari Road, Pandharpur- 413304 Ph: 8956210651, 8275206604 @ info@lkvetcare.in @ pashulab





#### **CULTURE AND SENSITIVITY REPORT**

Franchisee Kamdhenu PashuLab - Daflapur

Referred By : Dr. Sachin Dadas Date : 29-12-2022

Name: Punyashlok Ahilyadevi Mendhi Va Sheli Vikas Prakshetra, Ranjani Dist.-Sangali Animal Type : Ovine

Animal Category : Sheep 2

Culture & Sensitivity For		Fecal		
Sensitive to (in descendin	g order of sensitivity):	<del>.</del>		
Drugs	Zone of Lysis (mm)	Drugs	Zone of Lysis (mm)	
AMPICILLIN	22	STREPTOMYCIN	22	
CHLORAMPHENICOL	22	CEFEPIME	20	
CLINDAMYCIN	20	AMIKACIN	20	
PENICILLIN	18	KANAMYCIN	18	
Resistant to :				
Drugs		Drug	s	
AMOXICILLIN		CEPHALOTHIN		
TRIMETHOPRIM		CEFTRIAXONE		
TETRACYCLINE		CIPROFLOXACIN		
GENTAMYCIN				



Note: (1) All the test results should be interpreted with clinical data. Please correlate clinically and communicate with us, if you have any queries. The results of these test investigations are dependent on the quality of the sample as well as the assay procedure used. The clinical analysis and correlation of any/all symptoms should not be from field (not in a lab). LK Vet Care will not be responsible for any variations in the pathology tests. (4) LK Vet Care is committed to delivering your reports on time. However





## SAMPLE BRUCELLA Ab RAPID TEST REPORT

The American



3rd Floor, Triyagoni Pet Clinic, Veerbha Nagar, Near Natural Living Showroom, Baner Expressway, Pune-411045. Ph: 8956210652, 9552524949

Ph: 8956210652, 9552524949 Ph: 8956210651, 82752066

info@lkvetcare.in pashulab Everyday, 8 am to 8 pm

No. 1 & 14, Vakratund Building, Pujari City, Near KBP College Chowk, Wakhari Rd, Pandharpur- 413304. Ph: 8956210651, 8275206604





#### **RAPID BRUCELLA, TB and FMD TEST**

Referred By	:	Self	Date	:	14-02-2023
Owner Name	:	Mr. Mithu Singh			
Animal Type	:	Bovine	Animal Category	:	Cow – 04 nos. Goral, Ganga, Sharayu & Kabari

One step immunochromatographic test for the detection of **Brucella** antibodies in bovine serum or whole blood.

#### Result:

The given 04 samples are Negative for Brucella antibodies



Note: (1) All the text results should be interpreted with chical data. Rease carrelate clinically and communicate with us, if you have any queries. The results of these text investigations are dependent on the quality of the sonaple as well as the assay procedure uses. The clinical analysis and correlation of any/all symptoms should not be interpreted in assistant, in order to arrive at a proper and final diagnosis. (3) in case of collected specimens), which are referred to LK Vet Care from an individual former/LSK/ Veterinary doctory any other referral, it is presumed that the sample damagnaphics are verified and confirmed at the point of generation of the sail specimen(s). (3) A lest requested may not be referred of the sample quantity or availtr is not satisfactory, in such cases, fresh specimen(s) from plow equined. These sample(s) we collected from field fort in a labil. LK Vet Care is committed to delivering your reports on time, thosewer, it sufforescent/cumstances such as non-vanishality of Hitz/Instrument breakdown/cinstructio closates/circ related problems exc., reports may be delayed. LK Vet Care will ensure that this delay is minimal (3) Any partial reproduction of this report in any form is not permitted. (6) This report is not to be used for ony legal purposes or any cattle related insurance claims. (7) is case of any doubt or dispute, the report retrieved or gritted by LK Vet Care will be treated as final.



**SAMPLE A1-A2 GENOTYPING REPORT** 



3rd Floor, Triyagoni Pet Clinic, Veerbhadra | No. 1 & 14, Vakratund Building, Pujari City, Nagar, Near Natural Living Showroom Baner Expressway, Pune- 411045. Ph: 8956210652, 9552524949 info@lkvetcare.in 👩 pashulab 🗿 Everyday, 8 am to 8 pm

Near KBP College Chowk, Wakhari Rd, Pandharpur- 413304. Ph: 8956210651, 8275206604





#### TEST REPORT - A1A2 GENOTYPING

Animal Tag No : 103321 776318 Date : 30-06-2022

Owner Name : Shri Ghule, Undri

Animal Type : Bovine (Cattle-Male) - Ganga Bull Animal Category : Cow (Gir)

Test performed: Beta Casein Genotyping (A1A2 Genotyping) by DNA Sequencing

#### Method / Technique:

Genomic DNA was isolated from specimen and performed polymerase chain reaction. DNA sequencing and analysis as per SOP No. GTPL/PRO/35. CSN2 gene was amplified using proprietary primers at their specific annealing temperature. Amplification products were purified by using enzymatic purification method and were directly sequenced using Sanger's DNA sequencing

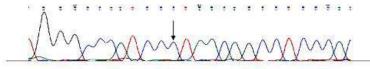
The Sequencing data was analyzed by Sequencing analysis 5.2 software. CSN2 variant allele was identified by pairwise alignment and sequence peak detection.

#### Results:

Allele detected: CC

Genotype detected: A2/A2

#### Chromatograph:



Disclaimer - This test is valid strictly for the sample submitted for analysis. The Report is applicable only for the sample tested and shall not be under any circumstances extrapolated to any other product(s) made out of this sample.



(Dr. Priyanka Tikore)







# **THANK YOU**

#### LK VET CARE PRIVATE LIMITED

3-A, Rachana Avenue, Deccan Gymkhana,

PUNE - 411 004.

Tel: (020) 4003 9070

Mobile: +91 95 52 52 49 49

Email: ceo@lkvetcare.in

#### **LK PASHULAB**

- Baner
- Pandharpur
- Daflapur
- Baramati