

# Immunoassay test report



|          |              |          |        |                   |                  |
|----------|--------------|----------|--------|-------------------|------------------|
| Patient: | Dakotah      | Species: | Canine | Patient ID:       | 260709001        |
| Client:  | Loren Tamayo | Gender:  | Female | Sample No.:       | 0000001          |
| Doctor:  |              | Age:     | 7Y     | Time of analysis: | 2026/07/09 16:30 |

| Lab item | Current result |       | Ref. Ranges |  |
|----------|----------------|-------|-------------|--|
| cSDMA    | 9.1            | µg/dL | 0.0-14.0    |  |

Operator:

## Report Explan.

### cSDMA

Result indications:

<14.0 ug/dL Normal

14.0-20.0 ug/dL Suspected

>20.0 ug/dL Abnormal

Clinical significance:

cSDMA is an early biomarker of progressive kidney injury, and an increase may indicate impaired renal function.

Note: Due to the complexity and individuality of disease diagnosis, the report interpretation is only for your reference. Please consult your doctors for clinical diagnosis results.  
The results only applies to this test sample.

Test Instrument: Mindray vetXpert I3 Time of Printing: 2026-07-09 16:31:53



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# Biochemistry test report



|          |              |          |        |                   |                  |
|----------|--------------|----------|--------|-------------------|------------------|
| Patient: | Dakotah      | Species: | Canine | Patient ID:       | 260709001        |
| Client:  | Loren Tamayo | Gender:  | Female | Sample No.:       | 0000001          |
| Doctor:  |              | Age:     | 7Y     | Time of analysis: | 2026/07/09 16:29 |

| Item                  |          | Current result |                       | Ref. Ranges  |  |
|-----------------------|----------|----------------|-----------------------|--------------|--|
| Protein               | TP       | 7.96           | g/dL                  | 5.20-8.20    |  |
| Protein               | ALB      | 2.21           | g/dL                  | 2.10-4.00    |  |
| Protein               | GLOB     | ↑ 5.75         | g/dL                  | 2.54-5.20    |  |
| Protein               | A/G      | 0.4            |                       |              |  |
| Liver and gallbladder | ALT      | 24.9           | U/L                   | 10.1-100.3   |  |
| Liver and gallbladder | AST      | 48.5           | U/L                   | 0.0-51.7     |  |
| Liver and gallbladder | AST/ALT  | 1.95           |                       |              |  |
| Liver and gallbladder | ALP      | ↑ 466.0        | U/L                   | 15.5-212.0   |  |
| Liver and gallbladder | GGT      | <2.0           | U/L                   | 0.0-15.9     |  |
| Liver and gallbladder | TBIL     | <0.10          | mg/dL                 | 0.00-0.88    |  |
| Liver and gallbladder | TBA      | ↑ 96.0         | μmol/L                | 0.0-30.0     |  |
| Pancreas              | AMY      | ↓ 380.7        | U/L                   | 397.7-1285.1 |  |
| Pancreas              | LIPA-D   | 24.4           | U/L                   | 0.0-100.0    |  |
| Kidneys               | BUN      | 10.28          | mg/dL                 | 7.02-27.45   |  |
| Kidneys               | CREA     | ↓ 0.21         | mg/dL                 | 0.23-1.40    |  |
| Kidneys               | BUN/CREA | 48.1           |                       |              |  |
| Cardiovasc./Muscle    | CK       | 120.7          | U/L                   | 66.4-257.5   |  |
| Cardiovasc./Muscle    | LDH      | ↑ 275.7        | U/L                   | 0.0-143.6    |  |
| Energy metabolism     | GLU      | 115.4          | mg/dL                 | 68.5-135.2   |  |
| Energy metabolism     | TC       | 189.0          | mg/dL                 | 103.2-324.1  |  |
| Energy metabolism     | TG       | 57.0           | mg/dL                 | 8.9-115.1    |  |
| Minerals              | Ca       | ↓ 8.06         | mg/dL                 | 8.40-11.88   |  |
| Minerals              | PHOS     | 3.12           | mg/dL                 | 2.17-6.81    |  |
| Minerals              | CaxP     | 2.03           | (mmol/L) <sup>2</sup> |              |  |
| Minerals              | Mg       | 1.48           | mg/dL                 | 1.29-2.58    |  |
| Electrolytes          | Na+      | ↓ 131.3        | mmol/L                | 138.0-160.0  |  |
| Electrolytes          | K+       | 4.5            | mmol/L                | 3.5-5.9      |  |
| Electrolytes          | Na/K     | 29.4           |                       |              |  |
| Electrolytes          | Cl-      | 101.1          | mmol/L                | 100.7-125.0  |  |

LIPA-D: 0.0-100.0 U/L Negative 100.0-200.0 U/L Suspected >200.0 U/L Positive

Operator:

| Comprehensive Diagnosis Panel |   | QC QC OK              |   |
|-------------------------------|---|-----------------------|---|
| HEM(Hemolysis degree):        | 0 | LIP(Lipemia degree):  | 0 |
|                               |   | ICT(Jaundice degree): | 0 |

The results only applies to this test sample. Test Instrument:Mindray vetXpert C5 Time of Printing:2026-07-09 16:31:55



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## Report Explan.

**GLOB**



Increase is commonly associated with chronic inflammation and infection, and hyperimmunity, etc. Reduction is commonly associated with insufficient protein intake, anemia, and immunodeficiency.

**ALP**



Increase is commonly associated with fracture healing period, hepatobiliary diseases, hyperthyroidism, and osteosarcoma, etc.

**TBA**



Increase is commonly associated with hepatic insufficiency or failure, portal vein shunt, and cholestasis, etc. Reduction is commonly associated with long-term fasting and intestinal malabsorption, etc.

**AMY**



Increase is commonly associated with gastroenteritis, pancreatitis, pancreatic tumor, etc.

**CREA**



Increase is commonly associated with nephropathy, etc. Reduction is commonly associated with malnutrition and muscular atrophy, etc.

**LDH**



Increase is commonly associated with hemolysis (especially in canine), post-exercise, liver injury, exertional rhabdomyolysis, white muscle disease, myocardial injury, tumors, etc.

**Ca**



Increase is commonly associated with hypoadrenocorticism, lymphoma, and nephropathy, etc. Reduction is commonly associated with low calcium diet, hypoalbuminemia, nephropathy, and vitamin D deficiency, etc.

**Na+**



Increase is commonly associated with salt intoxication, hypertonic NaCl solution rehydration, hyperaldosteronism, and severe dehydration, etc. Reduction is commonly associated with hypoadrenocorticism, diuretic therapy, etc.

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