Equine Veterinary Clinic
of Tucson

Dr. Chauncey Smith
ChaunceySmithDVM@gmail.com
(520)330-1050

DISCHARGE

Client Details

Name	Cowan, Jessica
Address	7401 North Christie Drive Cobo Catalina Hills Tucson, Arizona, 85718
Phone(s)	206-953-9988

Patient Details

Name	Maestro
Species	Equine (Horse)
Breed	Dutch Warmblood
Age	8 years
Sex	Gelding

DIAGNOSIS/PROBLEM LIST:

Osteoarthritis
RH>LH TARSUS

REPORT:

Date/Time	History
02-28-2025	**Notes:** Maestro is a 8 year old Bay Dutch Warmblood gelding that presented for lameness evaluation. Owner and body workers noted soreness over SI regions. Owner noted he has a hard time taking his right lead. Body worker noted that he was gassy.

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FINDINGS:

Weight (lb): 1300.00	**H.R.: 40**	**R.R.: 12**
B.C.S.: 5/9	**M.M.: Pink**	**Temp (°F): 99.30**
BAR	**C.R.T. :1-2 sec**	

PALPATION AND MANIPULATION

Neck: Within normal limits | **Back:** Mild soreness over left SI region, slight soreness over right SI region

Left Front: Within normal limits | Shoeing: PGFS with a frog support pad

Right Front: Within normal limits | Shoeing: PGFS with a frog support pad

Right Hind: Within normal limits
Shoeing: PGFS | Resistance to Pelvic Manipulation: No | Church Hill: + | Stifle Laxity: 0 /3

Left Hind: Within normal limits
Shoeing: PGFS | Resistance to Pelvic Manipulation: No | Church Hill: + | Stifle Laxity: 0 /3

FLEXIONS

Left Front: Grade: 0 /5 Comments: None | Right Front: Grade: 0 /5 Comments: None
Left Hind: Grade: 1 /5 Comments: None | Right Hind: Grade: 1 /5 Comments: None

GAIT EVALUATION

Footing Available: Hard Ground

Straight Gait Evaluation: (In Hand):
Walk: No lameness detected, improved rotation of hind feet(LH>RH)
Turn Left: No lameness detected, improved rotation of hind feet(LH>RH)
Turn Right: No lameness detected, improved rotation of hind feet(LH>RH)
Trot: Started with slight circumduction(RH>LH), improved with work

Ridden/Driven Gait Evaluation:
Travel Left: Circumducts RH Stifle
Travel Right: Circumducts RH Stifle

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PLAN:

Treatments Performed

- **Sedation**: Xylazine(1.5mL IV) / Torbugensic(0.5mL IV) / Dormosedan(0.25mL IV)
- **Injections**: Intra-Articular Injection of Right Hind Medial Femorotibial Joint with ProStride

Exercise Management
Post-Injection recommendations:

Days 1 through 3: Stall rest. No turnout durning this time.
Day 4: Light work.
Day 5: Return to regular work.

Future Steps

- **Update**: Please call or text with any questions or concerns
- **Recheck**: As needed

MONITORING:
In general, monitor your horse for these signs, and if noted, please call for instructions: increased swelling or lameness, signs of colic, or abnormal behavior. Please contact us if any of the above signs are noted or if you have any questions or concerns.

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DISCHARGE

Client Details

Name	Cowan, Jessica
Address	7401 North Christie Drive Cobo Catalina Hills Tucson, Arizona, 85718
Phone(s)	206-953-9988

Patient Details

Name	Maestro
Species	Equine (Horse)
Breed	Dutch Warmblood
Age	8 years
Sex	Gelding

REPORT:

Date/Time	History
03-03-2025	**Notes:** Maestro is a 8 year old Bay Dutch Warmblood gelding that presented for spring vaccines.

FINDINGS:

Weight (lb): 1300.00	**H.R.: 40**	**R.R.: 12**
B.C.S.: 5/9	**M.M.: Pink**	**Temp (°F): 99.30**
BAR	**C.R.T. :1-2 sec**	

AUSCULTATION:

Cardiovascular: No murmur / no arrhythmia
Respiratory: No crackles / no wheezes
Gastrointestinal: Normal motility / no sand

OBSERVATION/PALPATION:

No abnormalities detected

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PLAN:

Treatments Performed

- **Vaccinations**: Core Innovator 5 way Vaccine(1mL IM) / Calvenza FluRhino Vaccine(2mL IN)

Future Steps

- **Update**: Please call or text with any questions or concerns
- **Recheck**: As needed

MONITORING:
In general, monitor your horse for these signs, and if noted, please call for instructions: increased swelling or lameness, signs of colic, or abnormal behavior. Please contact us if any of the above signs are noted or if you have any questions or concerns.

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CERTIFICATE OF WELLNESS EXAMINATION/VACCINATION(S)

VETERINARY CLINIC
Chauncey B. Smith DVM
1035 N. Javalina Pl.
Tucson, Arizona, 85748

OWNER OF ANIMAL
Jessica Cowan
7401 North Christie Drive Cobo Catalina Hills
Tucson Arizona 85718
Phone: 206-953-9988

THIS IS TO CERTIFY THAT Chauncey B. Smith DVM HAS VACCINATED THE ANIMAL DESCRIBED BELOW.

PATIENT: Maestro
SPECIES: Equine (Horse)
BREED: Dutch Warmblood
COLOR: Bay
SEX: Gelding
WEIGHT: 1300
AGE: 8 years

Veterinary Service(s)	Fulfilled With	Fulfilled At	Due on
Wellness Exam	Wellness Examination (Vaccination)	03-03-2025	03-03-2026
Rabies Vaccine	Core Innovator 5 way Vaccine	03-03-2025	03-03-2026
Tetanus Vaccine	Core Innovator 5 way Vaccine	03-03-2025	03-03-2026
Equine Herpesvirus (Rhinopneumonitis) Vaccine	Calvenza FluRhino Vaccine	03-03-2025	09-01-2025
Equine Influenza Vaccine	Calvenza FluRhino Vaccine	03-03-2025	09-01-2025
Eastern & Western Equine Encephalomyelitis Vaccine Vaccine	Core Innovator 5 way Vaccine	03-03-2025	03-03-2026
West Nile Virus Vaccine	Core Innovator 5 way Vaccine	03-03-2025	03-03-2026

Date: 03-03-2025

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Phone(s)	206-953-9988

Patient Details

Name	Maestro
Species	Equine (Horse)
Breed	Dutch Warmblood
Age	8 years
Sex	Gelding

DIAGNOSIS/PROBLEM LIST:
Gastric Ulcer

REPORT:

Date/Time	History
03-19-2025	**Notes:** Maestro is a 8 year old Bay Dutch Warmblood gelding that presented for a gastroscopic examination. Owner has noticed many ulcer signs over the last month and at her most recent horse show. **Current Feed:** Hay: Bermuda and Alfalfa Grain: Hygain ShowTorque **Last Meal:** 6pm last night **Last Water:** This morning

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FINDINGS:

Weight (lb): 1300.00	**H.R.: 44**	**R.R.: 12**
B.C.S.: 4/9	**M.M.: Pink**	**Temp (°F): 99.90**
BAR	**C.R.T. :1-2 sec**	

AUSCULTATION:

Cardiovascular: No murmur / no arrhythmia
Respiratory: No crackles / no wheezes
Gastrointestinal: Normal motility / no sand

OBSERVATION/PALPATION:

No abnormalities detected

GASTROSCOPE FINDINGS:

Pharynx/Larynx:
No abnormalities detected

Esophagus:
No abnormalities detected

Fundus (Non-Glandular):
Multiple Ulcerative lesions, few superficial ulcers to striations , few hemorrhagic regions

Cardia:
Multiple hemorrhagic ulcers observed

Margo Plicatus:
No abnormalities detected

Ventral Fundus (Glandular):
No abnormalities detected

Antrum:
Few round to linear irritated to ulcerative regions observed

Pylorus:
Few round to linear irritated to ulcerative regions observed

Duodenum:
Did not observe

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PLAN:

Feeding Instructions:
Hay: Continue current.

- Additional Recommendations:
  - Hay Net: May feed in small bore hay net, hay ball is also acceptable. This will slow the eating process and mimic the normal grazing habits of the horse.
  - Alfalfa: Add during lunch meal. Alfalfa can increase gastric pH.

Grain: Recommend increasing Purina Outlast

Exercise Instructions:
Continue routine exercise program. A regular exercise program can instigate normal intestinal motility and digestion.
Please feed handful of Alfalfa or small amount of Purina Outlast prior to exercise. This will reduce sloshing for gastric fluid.

Medication Instructions
Morning:

- Give GASTROGARD/MISOPROSTAL
- Wait 30 minutes
- Give SUCRALFATE
- Wait 30 minutes
- Give HAY/GRAIN/SUPPLEMENTS

Evening:

- Give SUCRALFATE
- Wait 30 minutes
- Give HAY/GRAIN/SUPPLEMENTS

Monitoring:

- Please monitor Maestro for any continued or additional clinical signs. Please call if you not any signs of colic, distress, or other concerning changes.

Future Steps:

- Update: Please call or text with any questions or concerns.
- Recheck: Recommend recheck gastroscope within 3-5days prior to the completion of the Gastrogard treatment.

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MEDICATIONS:

Date/Time	Drug Name	Quantity	Instructions
03-19-2025	Misoprostol Powder	1	GIVE 1 SCOOP BY MOUTH 30 MINUTES BEFORE GIVING SUCRALFATE
03-19-2025	Sucralfate Powder	1	GIVE 1 SCOOP BY MOUTH 30 MINUTES BEFORE FEED
03-19-2025	Gastrogard	0	GIVE 1 DOSE BY MOUTH 30 MINUTES BEFORE SUCRALFATE

Please READ THE LABEL CAREFULLY and ensure that all medication is administered as instructed. If you are experiencing any difficulty in dosing your horse please contact us for advice.

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Phone(s)	206-953-9988

Patient Details

Name	Maestro
Species	Equine (Horse)
Breed	Dutch Warmblood
Age	8 years
Sex	Gelding

DIAGNOSIS/PROBLEM LIST:
Colic

REPORT:

Date/Time	History
03-20-2025	**Notes:** Maestro is a 8 year old Bay Dutch Warmblood gelding that presented for physical exam. Owner noted that he was acting colicy this morning. **Date/Time of Onset**: Today **Previous Treatments**: Banamine

FINDINGS:

Weight (lb): 1400.00	**H.R.: 44**	**R.R.: 12**
B.C.S.: 5/9	**M.M.: Pink**	**Temp (°F): 99.80**
BAR	**C.R.T. :1-2 sec**	

AUSCULTATION:

Cardiovascular: No murmur / no arrhythmia
Respiratory: No crackles / no wheezes
Gastrointestinal: Normal motility / no sand

OBSERVATION/PALPATION:

No abnormalities detecte

ADDITIONAL TESTING

Blood Work:
CBC - Result: See file
Chemistry - Result: See file

Chauncey B. Smith DVM

Equine Veterinary Clinic of Tucson
1035 N Javalina Pl, Tucson
Arizona, 85748-2042, United States

Powered by ZoetisDx

Patient: Maestro - 100533, Horse, Dutch Warmblood, 7 Year(s) 9 Month(s), Male Neutered

Owner: Jessica Cowan

Requesting Doctor: B.Chauncey Smith

VETSCAN HM5c - Hematology

Test	03/22/25 12:23 PM HM5	Reference Interval	Graph	04/16/25 10:51 PM HM5	**03/22/25 12:23 PM HM5**
WBC	**5.32** 10^9/l	5.4 - 14.3	Low	5.35	**5.32**
LYM	**1.47** 10^9/l	1.5 - 7.7	Low	0.59	**1.47**
MON	**0.13** 10^9/l	0 - 1.5		0.15	**0.13**
NEU	**3.52** 10^9/l	2.3 - 9.5		4.38	**3.52**
EOS	**0.19** 10^9/l	0 - 1		0.22	**0.19**
BAS	**0.01** 10^9/l	0 - 0.3		0.01	**0.01**
LYM%	**27.6** %			11.1	**27.6**
MON%	**2.5** %			2.7	**2.5**
NEU%	**66.2** %			81.9	**66.2**
EOS%	**3.5** %			4.0	**3.5**
BAS%	**0.1** %			0.2	**0.1**
RBC	**7.14** 10^12/l	6.8 - 12.9		8.31	**7.14**
HGB	**11.3** g/dl	11 - 19		14.2	**11.3**
HCT	**34.57** %	32 - 53		38.04	**34.57**
MCV	**48** fl	37 - 59		46	**48**
MCH	**15.8** pg	12.3 - 19.7		17.1	**15.8**
MCHC	**32.7** g/dl	31 - 39		37.3	**32.7**
RDWc	**27.7** %			26.6	**27.7**
RDWs	**46.1** fl			41.4	**46.1**
PLT	**27** 10^9/l	100 - 400	Low	42	**27**
MPV	**7.3** fl			7.4	**7.3**
PCT	**0.02** %			0.03	**0.02**
PDWc	**31.6** %			31.6	**31.6**
PDWs	**10.4** fl			10.4	**10.4**

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Patient: Maestro - 100533, Horse, Dutch Warmblood, 7 Year(s) 9 Month(s), Male Neutered

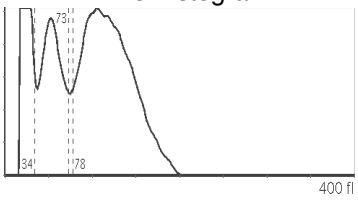
Owner: Jessica Cowan

Requesting Doctor: B.Chauncey Smith

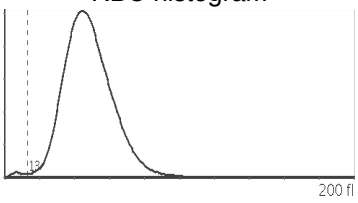
VETSCAN HM5c - Hematology

Test	03/22/25 12:23 PM HM5	Reference Interval	Graph	04/16/25 10:51 PM HM5	**03/22/25 12:23 PM HM5**

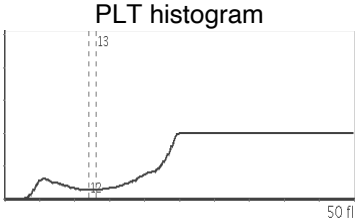
WBC histogram



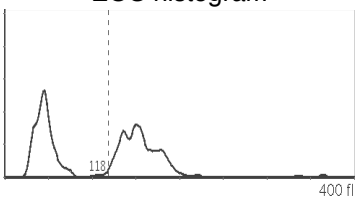
RBC histogram



PLT histogram



EOS histogram



Equine Veterinary Clinic of Tucson
1035 N Javelina Place
Tucson, Az - 85748
520-330-1050 - www.evctucson.com

zoetis

Maestro Patient ID: 100533

Species: Horse
Birthdate: Oct 3, 2017
Owner: Cowan, Jessica

Gender: Male Neutered
Breed: Dutch Warmblood
Doctor: Smith, B.Chauncey

Hematology

Analyzer SN: 360023533

Equine Profile Plus

Date: Mar 20, 2025 5:41 PM | Analyzer SN: 0000V49010 | Lot: 4531AB2

	RESULT	LOW	NORMAL	HIGH
NA+ Sodium	143 mmol/L		126.0 – 146.0	
K+ Potassium	4.3 mmol/L		2.5 – 5.2	
tCO2 Total Carbon Dioxide	25 mmol/L		20.0 – 33.0	
CK Creatine Kinase	163 U/L		120.0 – 470.0	
GLU Glucose	113 * mg/dL	HIGH	65.0 – 110.0	
CA Calcium	13.6 mg/dL		11.5 – 14.2	
BUN Blood Urea Nitrogen	16 mg/dL		7.0 – 25.0	
CRE Creatinine	0.9 mg/dL		0.6 – 2.2	
AST Aspartate Aminotransferase	220 U/L		175.0 – 340.0	
TBIL Total Bilirubin	1.3 mg/dL		0.5 – 2.3	
GGT Gamma-Glutamyl-Transferase	17 U/L		5.0 – 24.0	
ALB Albumin	3.4 g/dL		2.2 – 3.7	
TP Total Protein	6.2 g/dL		5.7 – 8.0	
GLOB Globulin	2.8 g/dL		2.7 – 5.0	

Hemolysis
0

Lipemia
0

Icterus
0

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Patient Details

Name	Maestro
Species	Equine (Horse)
Breed	Dutch Warmblood
Age	8 years
Sex	Gelding

DIAGNOSIS/PROBLEM LIST:
Gastric Ulcer

REPORT:

Date/Time	History
04-15-2025	**Notes:** Maestro is a 8 year old Bay Dutch Warmblood gelding that presented for a gastroscope exam. Maestro has been treated with Gastroguard, Misoprostol, and Sucralfate.

GASTROSCOPE FINDINGS:

Pharynx/Larynx:
No abnormalities detected

Esophagus:
No abnormalities detected

Dorsal Fundus (Non-Glandular):
Grade 0. Healing ulcer sites observed at this time.

Cardia:
No abnormalities detected

Margo Plicatus:
No abnormalities detected

Ventral Fundus (Glandular):
No abnormalities detected

Antrum:
No abnormalities detected

Pylorus:
No abnormalities detected

Duodenum:
No abnormalities detected

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Patient Details

Name	Maestro
Species	Equine (Horse)
Breed	Dutch Warmblood
Age	8 years
Sex	Gelding

DIAGNOSIS/PROBLEM LIST:
Gastric Ulcer
Fever on Unknown Origin

REPORT:

Date/Time	History
04-16-2025	**Notes:** Maestro is a 8 year old Bay Dutch Warmblood gelding that presented for a fever. He has a gastroscope yesterday with no complications.

FINDINGS:

Weight (lb): 1400.00	**H.R.: 44**	**R.R.: 12**
B.C.S.: 5/9	**M.M.: Pink**	**Temp (°F): 99.80**
BAR	**C.R.T. :1-2 sec**	

Blood Work:
Serum Amyloid A (Performed) - Result: 581
Lactate (Performed) - Result: 1.0
CBC (Performed) - Result: See file
Chemistry (Performed) - Result: See file
Additional Notes/Recommendations: None

AUSCULTATION:
Cardiovascular: No murmur / no arrhythmia
Respiratory: No crackles / no wheezes
Gastrointestinal: Normal motility / no sand

MEDICATIONS:

Date/Time	Drug Name	Quantity	Instructions
04-16-2025 8:36:01pm	EquiSul SDT 560mL	1	GIVE 35ML TWICE DAILY

Please READ THE LABEL CAREFULLY and ensure that all medication is administered as instructed. If you are experiencing any difficulty in dosing your horse please contact us for advice.

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Phone: (520)330-1050
Email: info@evctucson.com

Chauncey B. Smith DVM

Client Details

Name	Cowan, Jessica
Address	7401 North Christie Drive Cobo Catalina Hills Tucson, Arizona, 85718
Phone(s)	Mobile: 206-953-9988

Patient Details

Name	Maestro
Species	Equine (Horse)
Breed	Dutch Warmblood
Age	8 years
Sex	Gelding

Serum amyloid A (SAA) is an acute phase protein and α-globulin that is produced response to inflammation. It is considered an acute phase protein with marked increases (100-1000 fold) occurring within 24-48 hours of acute inflammation. Concentrations also rapidly decrease after resolution of inflammation, making SAA measurement a useful tool for monitoring the course of inflammation in an individual animal.

Maestro	Reference Interval	Date/Time
Serum amyloid A (SAA) Result: 581	<50 ug/mL	04-16-2025

Equine Interpretation:

Increased SAA concentration

- Physiologic: Higher results may be seen in newborn foals. Values are highest just after birth and then decline by 7 days of age (but still may be higher than reference intervals, even if clinically healthy.
- Pathophysiologic: As indicated above, measurement of SAA is usually used to detect inflammation/infection.
    - Systemic inflammation: High SAA concentrations are seen in horses with induced or spontaneously occurring inflammation and concentrations decline with resolution. SAA is not specific for the cause of inflammation, with increases being seen with inflammation due to septic and non-septic causes.
    - Localized inflammation: High SAA concentrations have been detected in synovial fluid of horses with various inflammatory joint and tendon conditions, including bacterial infection. High SAA concentrations are not, however, specific for bacterial infection. High concentrations of SAA were also seen in the peritoneal fluid and serum of horses with colic.
    - Amyloidosis: Persistently high SAA concentrations can lead to the syndrome of systemic amyloidosis.

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zoetis

Maestro Patient ID: 100533

Species: Horse
Birthdate: Oct 3, 2017
Owner: Cowan, Jessica

Gender: Male Neutered
Breed: Dutch Warmblood
Doctor: Smith, B.Chauncey

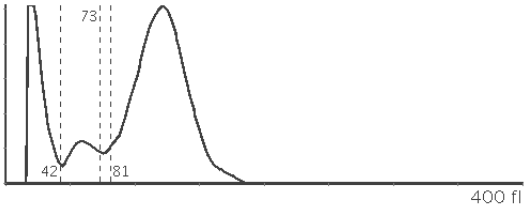
Hematology

Date: Apr 16, 2025 7:51 PM Analyzer SN: 360023533

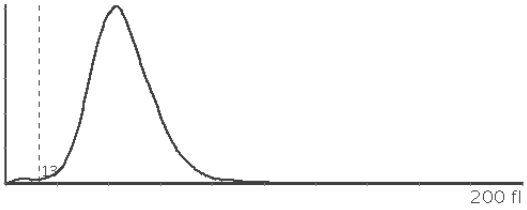
	RESULT	LOW	NORMAL	HIGH
WBC White Blood Cells	5.35 10^9/l	LOW	5.4	14.3
LYM Lymphocyte	0.59 10^9/l	LOW	1.5	7.7
MON Monocyte	0.15 10^9/l		0.0	1.5
NEU Neutrophil	4.38 10^9/l		2.3	9.5
EOS Eosinophil	0.22 10^9/l		0.0	1.0
BAS Basophil	0.01 10^9/l		0.0	0.3
LYM% Lymphocyte (%)	11.1 %			
MON% Monocyte (%)	2.7 %			
NEU% Neutrophil (%)	81.9 %			
EOS% Eosinophil (%)	4.0 %			
BAS% Basophil (%)	0.2 %			
RBC Red Blood Cells	8.31 10^12/l		6.8	12.9

	RESULT	LOW	NORMAL	HIGH
HGB Hemoglobin	14.2 g/dl		11.0	19.0
HCT Hematocrit	38.04 %		32.0	53.0
MCV Mean Corpuscular Volume	46 fl		37.0	59.0
MCH Mean Corpuscular Hemoglobin	17.1 pg		12.3	19.7
MCHC Mean Corpuscular Hemoglobin Concentration	37.3 g/dl		31.0	39.0
RDWc Red Blood Cell Distribution Width, Coefficient of Variation	26.6 %			
RDWs Red Blood Cell Distribution Width, Standard Deviation	41.4 fl			
PLT Platelet	42 10^9/l	LOW	100.0	400.0
MPV Mean Platelet Volume	7.4 fl			
PCT Plateletcrit	0.03 %			
PDWc Platelet Distribution Width, Coefficient of Variation	31.6 %			
PDWs Platelet Distribution Width, Standard Deviation	10.4 fl			

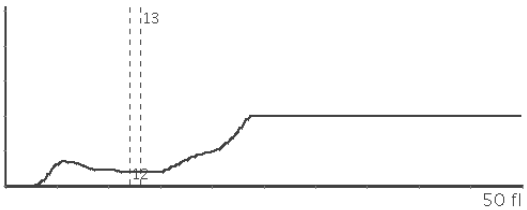
WBC Histogram



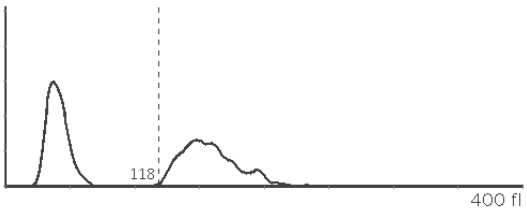
RBC Histogram



PLT Histogram



EOS Histogram



Equine Profile Plus

Date: Apr 16, 2025 7:50 PM | Analyzer SN: 0000V49010 | Lot: 4531AB2

	RESULT	LOW	NORMAL	HIGH
NA+ Sodium	140 mmol/L		126.0 – 146.0	
K+ Potassium	4.4 mmol/L		2.5 – 5.2	
tCO2 Total Carbon Dioxide	25 mmol/L		20.0 – 33.0	
CK Creatine Kinase	162 U/L		120.0 – 470.0	
GLU Glucose	111 * mg/dL	HIGH	65.0 – 110.0	
CA Calcium	13.7 mg/dL		11.5 – 14.2	
BUN Blood Urea Nitrogen	21 mg/dL		7.0 – 25.0	
CRE Creatinine	1.6 mg/dL		0.6 – 2.2	
AST Aspartate Aminotransferase	234 U/L		175.0 – 340.0	
TBIL Total Bilirubin	1.5 mg/dL		0.5 – 2.3	
GGT Gamma-Glutamyl-Transferase	18 U/L		5.0 – 24.0	
ALB Albumin	3.7 g/dL		2.2 – 3.7	
TP Total Protein	7.0 g/dL		5.7 – 8.0	
GLOB Globulin	3.3 g/dL		2.7 – 5.0	

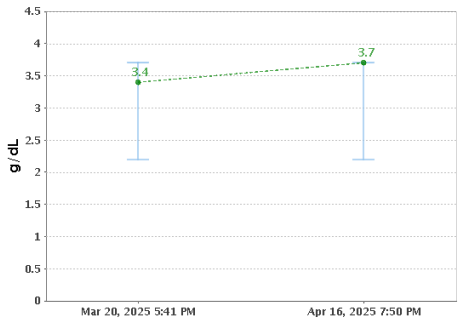
Hemolysis 0

Lipemia 0

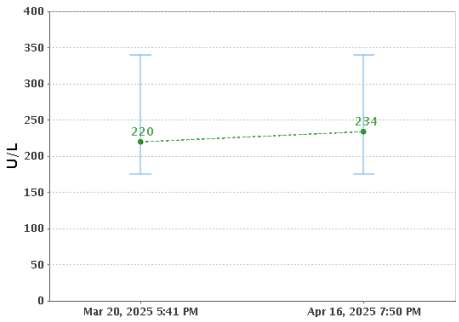
Icterus 0

Trends

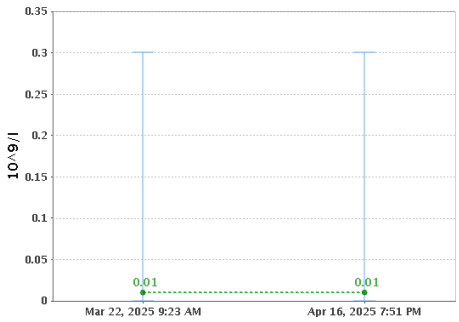
ALB
Albumin



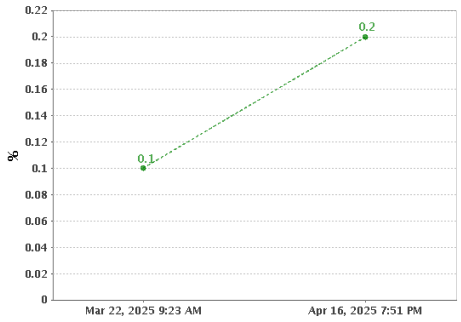
AST
Aspartate Aminotransferase



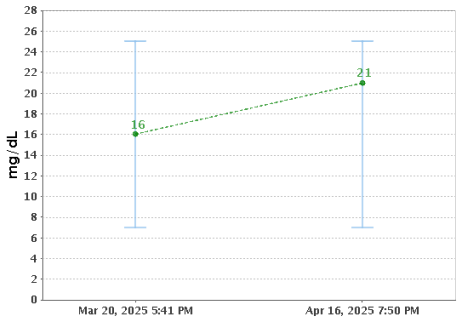
BAS
Basophil



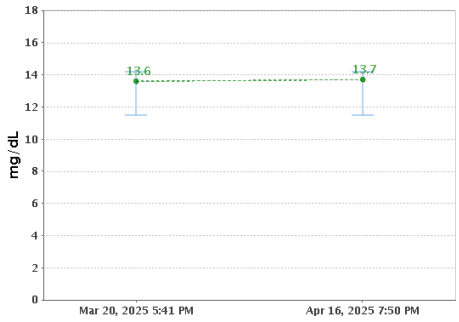
BAS%
Basophil (%)



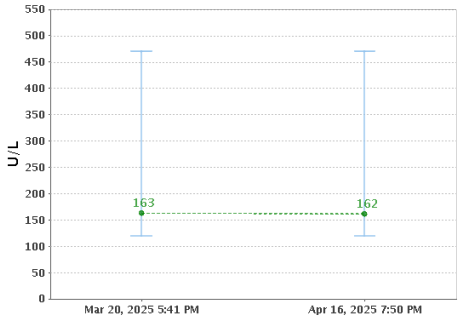
BUN
Blood Urea Nitrogen



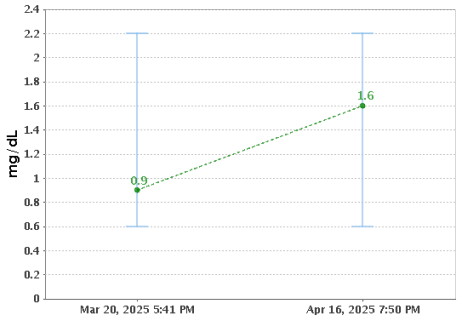
CA
Calcium



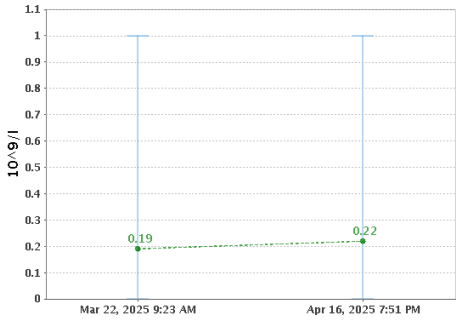
CK
Creatine Kinase



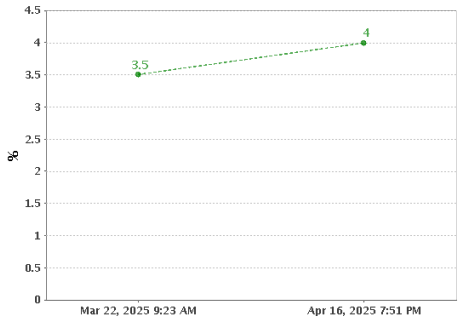
CRE
Creatinine



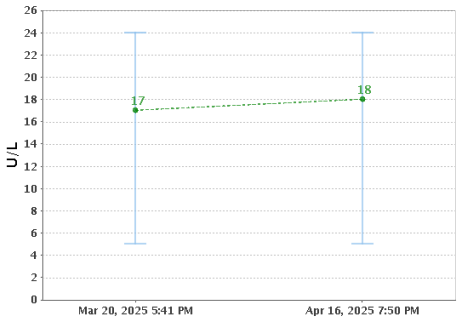
EOS
Eosinophil



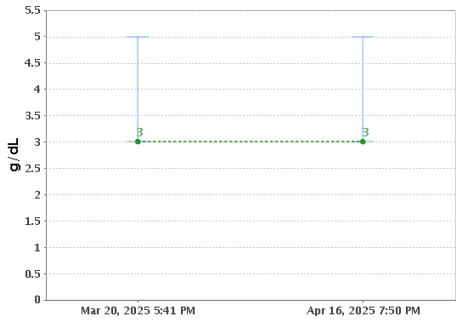
EOS%
Eosinophil (%)



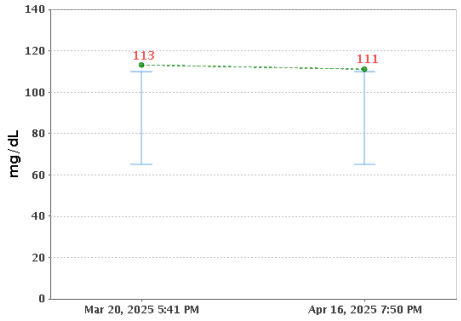
GGT
Gamma-Glutamyl-Transferase



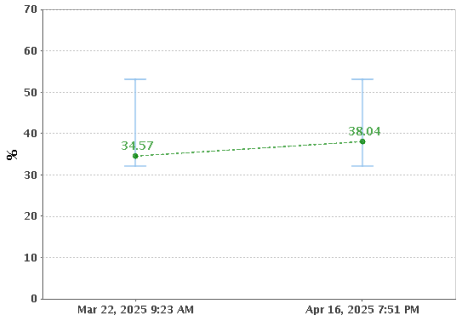
GLOB
Globulin



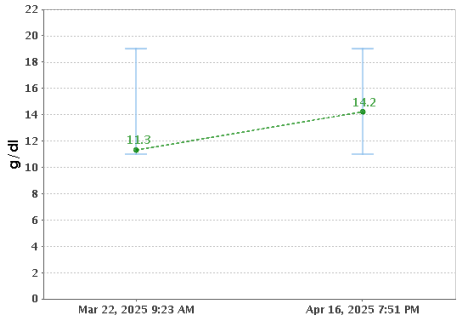
GLU
Glucose



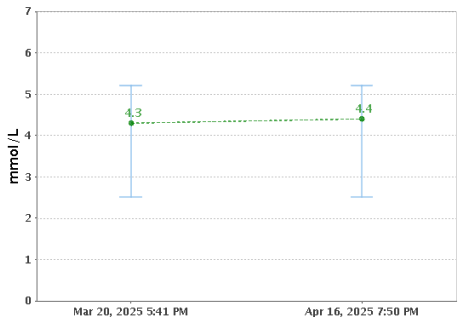
HCT
Hematocrit



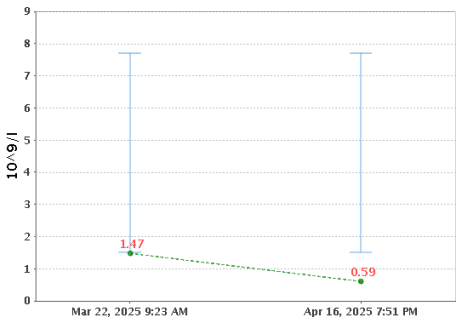
HGB
Hemoglobin



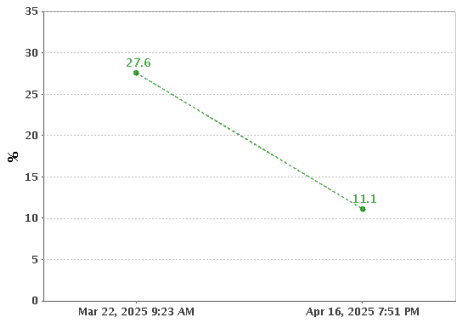
K+
Potassium



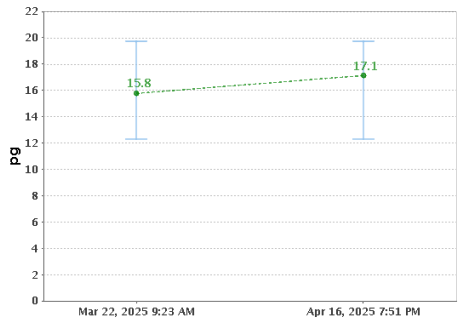
LYM
Lymphocyte



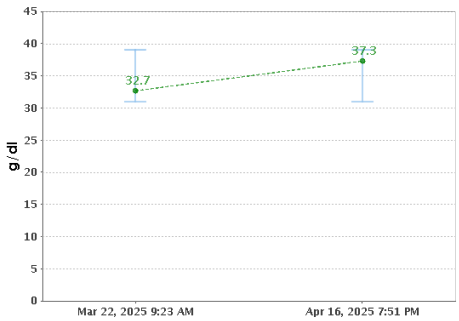
LYM%
Lymphocyte (%)



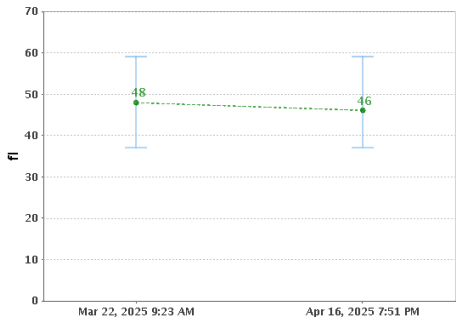
MCH
Mean Corpuscular Hemoglobin



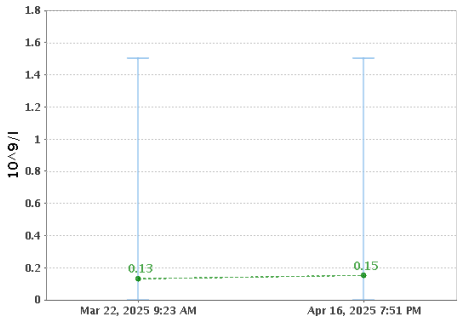
MCHC
Mean Corpuscular Hemoglobin Concentration



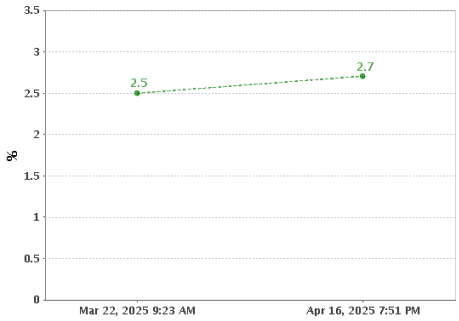
MCV
Mean Corpuscular Volume



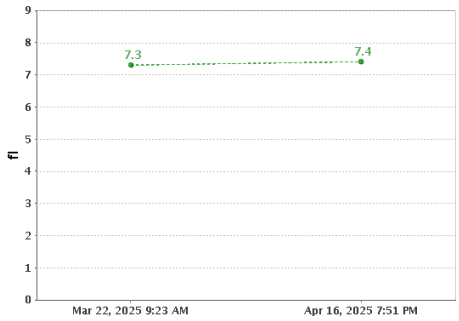
MON
Monocyte



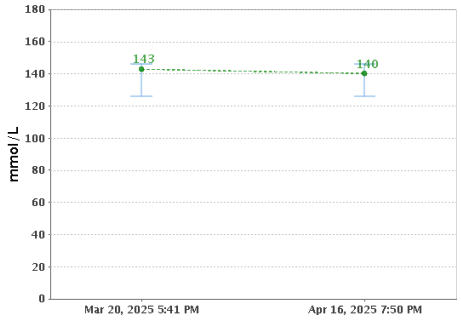
MON%
Monocyte (%)



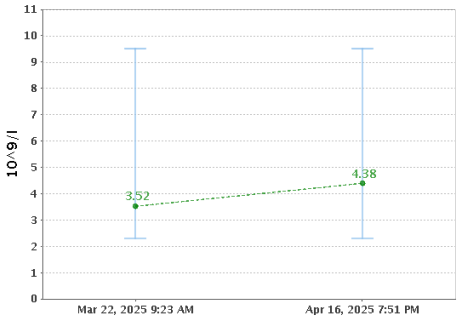
MPV
Mean Platelet Volume



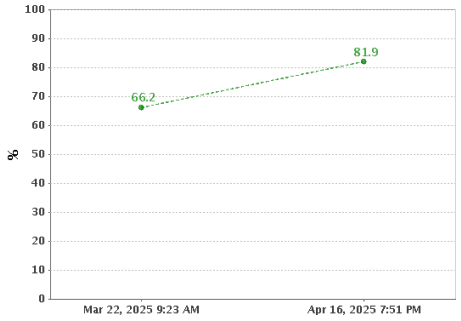
NA+
Sodium



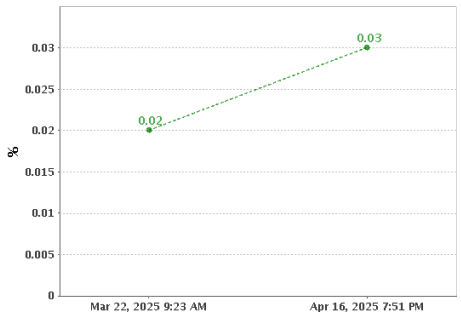
NEU
Neutrophil



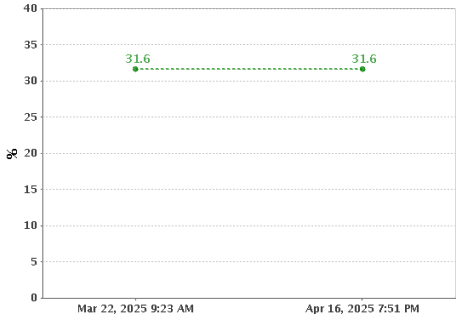
NEU%
Neutrophil (%)



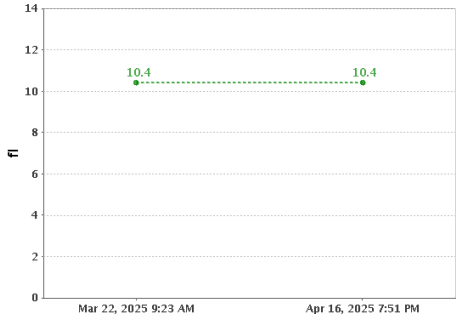
PCT
Plateletcrit



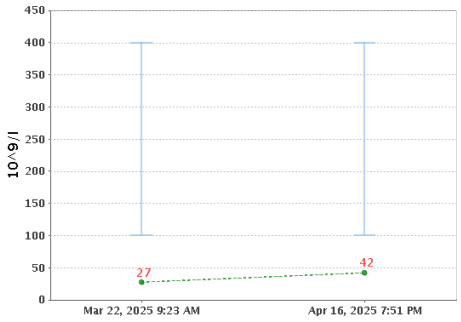
PDWc
Platelet Distribution Width, Coefficient of Variation



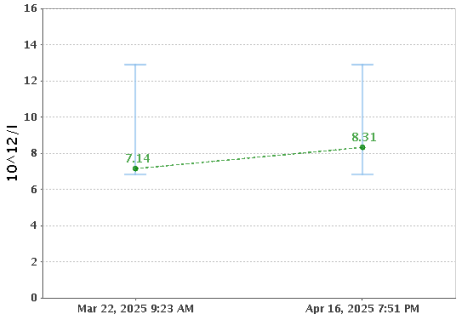
PDWs
Platelet Distribution Width, Standard Deviation



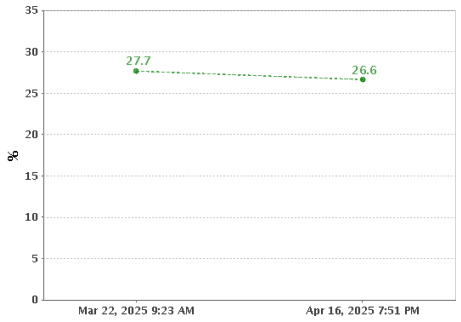
PLT
Platelet



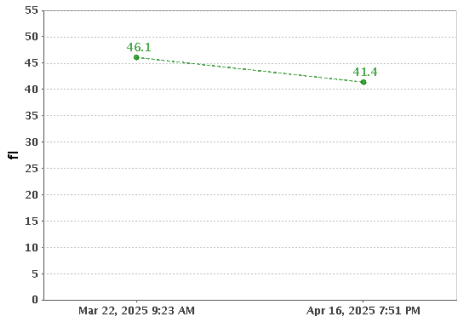
RBC
Red Blood Cells



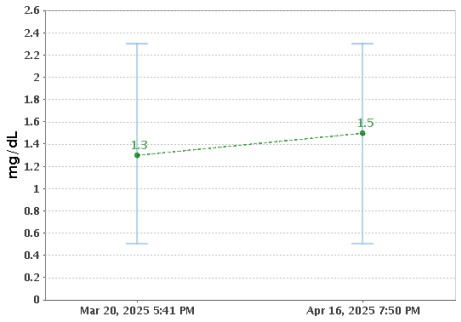
RDWc
Red Blood Cell Distribution Width, Coefficient of Variation



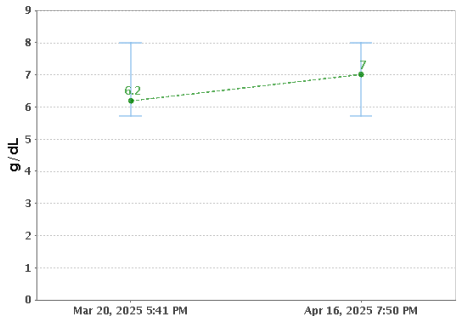
RDWs
Red Blood Cell Distribution Width, Standard Deviation



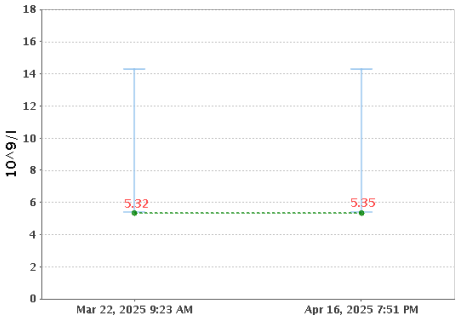
TBIL
Total Bilirubin



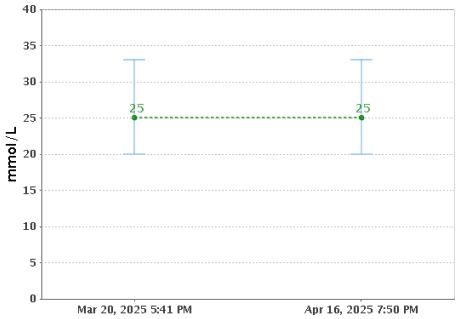
TP
Total Protein



WBC
White Blood Cells



tCO2
Total Carbon Dioxide



Equine Veterinary Clinic of Tucson
Phone: (520)330-1050
Email: info@evctucson.com

Chauncey B. Smith DVM

Client Details

Name	Cowan, Jessica
Address	7401 North Christie Drive Cobo Catalina Hills Tucson, Arizona, 85718
Phone(s)	Mobile: 206-953-9988

Patient Details

Name	Maestro
Species	Equine (Horse)
Breed	Dutch Warmblood
Age	8 years
Sex	Gelding

Serum amyloid A (SAA) is an acute phase protein and α-globulin that is produced response to inflammation. It is considered an acute phase protein with marked increases (100-1000 fold) occurring within 24-48 hours of acute inflammation. Concentrations also rapidly decrease after resolution of inflammation, making SAA measurement a useful tool for monitoring the course of inflammation in an individual animal.

Maestro	Reference Interval	Date/Time
Serum amyloid A (SAA) Result: 112ug/mL	<50 ug/mL	04-24-2025

Equine Interpretation:

Increased SAA concentration

- Physiologic: Higher results may be seen in newborn foals. Values are highest just after birth and then decline by 7 days of age (but still may be higher than reference intervals, even if clinically healthy.
- Pathophysiologic: As indicated above, measurement of SAA is usually used to detect inflammation/infection.
    - Systemic inflammation: High SAA concentrations are seen in horses with induced or spontaneously occurring inflammation and concentrations decline with resolution. SAA is not specific for the cause of inflammation, with increases being seen with inflammation due to septic and non-septic causes.
    - Localized inflammation: High SAA concentrations have been detected in synovial fluid of horses with various inflammatory joint and tendon conditions, including bacterial infection. High SAA concentrations are not, however, specific for bacterial infection. High concentrations of SAA were also seen in the peritoneal fluid and serum of horses with colic.
    - Amyloidosis: Persistently high SAA concentrations can lead to the syndrome of systemic amyloidosis.

Equine Veterinary Clinic
of Tucson

Dr. Chauncey Smith
ChaunceySmithDVM@gmail.com
(520)330-1050

DISCHARGE

Client Details

Name	Cowan, Jessica
Address	7401 North Christie Drive Cobo Catalina Hills Tucson, Arizona, 85718
Phone(s)	206-953-9988

Patient Details

Name	Maestro
Species	Equine (Horse)
Breed	Dutch Warmblood
Age	8 years
Sex	Gelding

DIAGNOSIS/PROBLEM LIST:
Gastric Ulcer

REPORT:

Date/Time	History
05-23-2025	**Notes:** Maestro is a 8 year old Bay Dutch Warmblood gelding that presented for a glucose tolerance test.

FINDINGS:

Weight (lb): 1300.00	**H.R.: 36**	**R.R.: 12**
B.C.S.: 4/9	**M.M.: Pink**	**Temp (°F): 98.80**
BAR	**C.R.T. :1-2 sec**	

AUSCULTATION:
Cardiovascular: No murmur / no arrhythmia
Respiratory: No crackles / no wheezes

OBSERVATION/PALPATION:
No abnormalities detected

ADDITIONAL TESTING
Blood Work:
GTT - Result: See file
STREP EQUI PCR - Result: See file

PLAN:
Treatments Performed
Sedation: Dormosedan(0.5mL IV)

Future Steps
Update: Please call or text with any questions or concerns
Recheck: Next steps to be determined

Chauncey B. Smith DVM

ANTECH
800-872-1001

Streptococcus Equi ELISA

Equine Veterinary Clinic of Tucson
1035 N Javalina Place
Tucson, AZ 85748

Doctor: **NOT STATED**

Received: **05/20/25**
Reported: **05/22/25**
Accession# **IRMN05872392**

Pet Name	Owner	Species	Breed	Sex	Age	Chart#
MAESTRO	**JESSICA COWAN**	Equine	Warmblood	CM	8Y	N

Test	Results	Reference Range	L	Normal	H

Streptococcus Equi ELISA

STREP EQUI TITER
1:800 Moderate Positive

SeM specific antibodies detected at an intermediate level. This level may occur in a horse at 2 to 3 weeks post-exposure or where the infection occurred 6 months to 2 years previously.

ANTECH
800-872-1001

Oral Sugar Test (3 samples)

Equine Veterinary Clinic of Tucson
1035 N Javalina Place
Tucson, AZ 85748

Doctor: **SMITH**

Received: **05/23/25**
Reported: **05/24/25**
Accession# **PXMN00581516**

Pet Name	Owner	Species	Breed	Sex	Age	Chart#
MAESTRO	**COWAN**	Equine	Warmblood	CM	8Y	N

Test	Results	Reference Range	L	Normal	H
Oral Sugar Test (3 samples)					
Glucose baseline	102	mg/dL			
Insulin baseline	15.5	uU/mL			
Glucose 60min post	211	mg/dL			
Insulin 60min post	74.7	uU/mL			
Glucose 90min post	220	mg/dL			
Insulin 90min post	111.3	uU/mL			

Fasting insulin levels >20 uU/ml supports hyperinsulinemia

Post OST
Insulin <45 uU/ml is normal
Insulin >45 uU/ml is positive for 0.15 mL/kg
Insulin >65 uU/ml is positive for 0.45 mL/kg

Glucose >125 mg/dl support an excessive glucose response

Equine Veterinary Clinic
of Tucson

Dr. Chauncey Smith
ChaunceySmithDVM@gmail.com
(520)330-1050

DISCHARGE

Client Details

Name	Cowan, Jessica
Address	7401 North Christie Drive Cobo Catalina Hills Tucson, Arizona, 85718
Phone(s)	206-953-9988

Patient Details

Name	Maestro
Species	Equine (Horse)
Breed	Dutch Warmblood
Age	8 years
Sex	Gelding

REPORT:

Date/Time	History
06-12-2025	**Notes:** Maestro is a 8 year old Bay Dutch Warmblood gelding that presented for a RECHECK gastroscopic examination. Previously diagnosed with fundic and pyloric ulcers. He has been on treatment for 3months. Maestro continues to show reluctance to work.

FINDINGS:

Weight (lb): 1400.00	**H.R.: 44**	**R.R.: 12**
B.C.S.: 5/9	**M.M.: Pink**	**Temp (°F): 99.80**
BAR	**C.R.T. :1-2 sec**	

AUSCULTATION:

Cardiovascular: No murmur / no arrhythmia
Respiratory: No crackles / no wheezes
Gastrointestinal: Normal motility / no sand

OBSERVATION/PALPATION:

RH: Mild to moderate rotation of the RH foot at walk.

GASTROSCOPE FINDINGS:

Pharynx/Larynx: No abnormalities detected
Esophagus: No abnormalities detected
Dorsal Fundus (Non-Glandular): Grade 0. The epithelium is intact and there is no appearance of hyperkeratosis
Cardia: No abnormalities detected
Margo Plicatus: No abnormalities detected
Ventral Fundus (Glandular): No abnormalities detected
Antrum: Mild linear scaring originating from the pylorus
Pylorus: No abnormalities detected

Equine Veterinary Clinic
of Tucson

Dr. Chauncey Smith
ChaunceySmithDVM@gmail.com
(520)330-1050

DISCHARGE

PLAN:

Feeding Instructions:

- Continue curent hay/alfalfa regiment.
- Grain: Switch to Beat Pulp based grain. Recommend soaking prior to feeding.

Exercise Instructions:

- Recommend routine/regular exercise.

Dewormer Recommendations

- Please give the Larvacidal Panacure PowerPac at this time.

Monitoring:

- Please monitor Maestro for any continued or additional clinical signs. Please call if you not any signs of colic, distress, or other concerning changes.

MEDICATIONS:

Date/Time	Drug Name	Quantity	Instructions
06-12-2025 11:23:52am	Gastrogard	1	GIVE 1/2DOSE ONCE DAILY BY MOUTH FOR 5DAYS.
06-12-2025 11:23:52am	Enrofloxacin Powder	1	GIVE 1 SCOOP BY MOUTH ONCE DAILY FOR 30DAYS.

Please READ THE LABEL CAREFULLY and ensure that all medication is administered as instructed. If you are experiencing any difficulty in dosing your horse please contact us for advice.

MONITORING:
In general, monitor your horse for these signs, and if noted, please call for instructions: increased swelling or lameness, signs of colic, or abnormal behavior. Please contact us if any of the above signs are noted or if you have any questions or concerns.

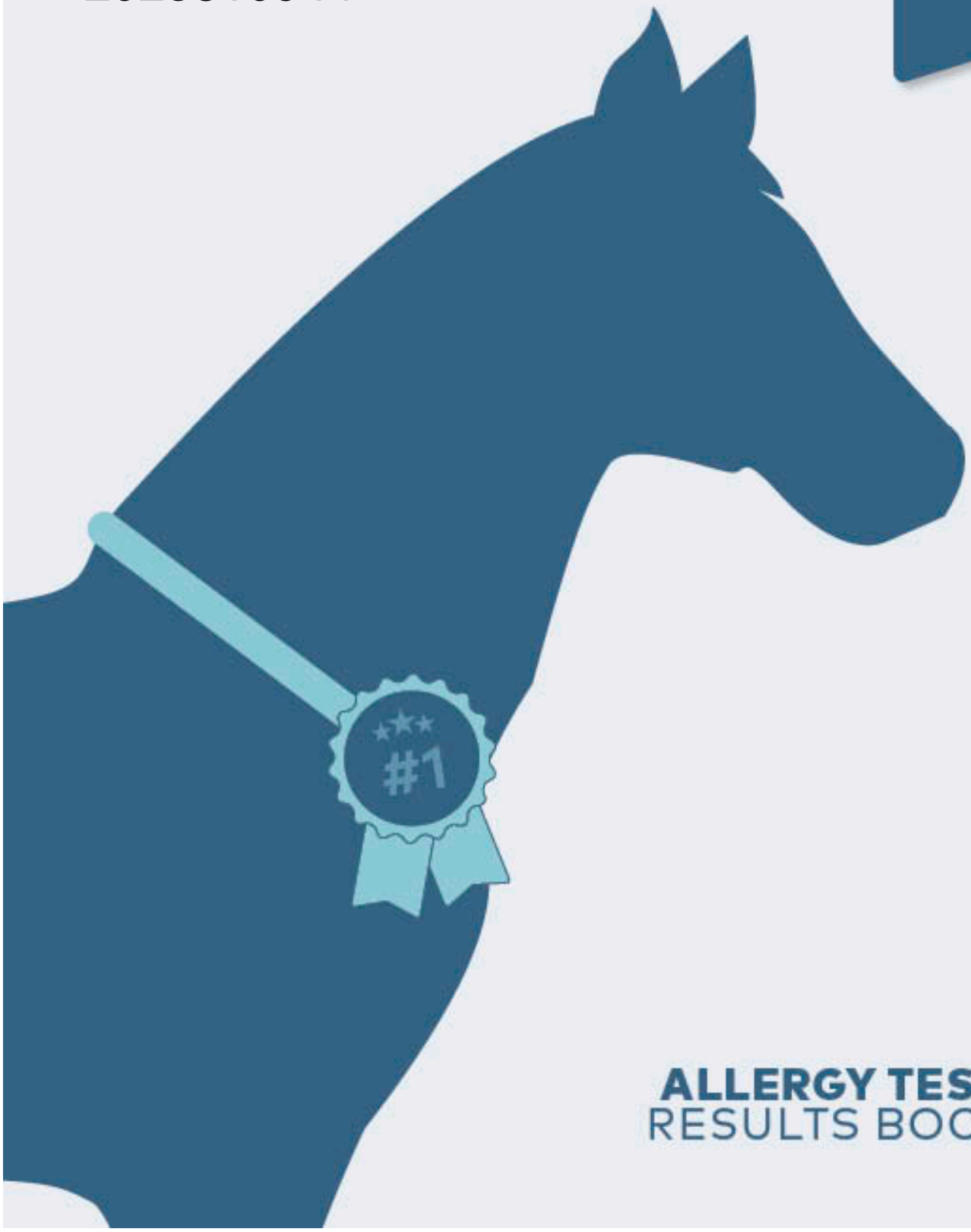
Chauncey B. Smith DVM

PATIENT:

Maestro Cowan

2025810944

nextmune



ALLERGY TESTING
RESULTS BOOKLET

nextmune

Lab Number	2025810944		
Order Date	06/12/2025		
Patient	Maestro Cowan		
Sex	M	**Age**	8 Yrs
Owner	Cowan		
Breed	Warmblood		

Equine Veterinary Clinic of Tucson

PAX Complete

ALLERX®

IMMUNOTHERAPY RECOMMENDATION

AVAILABLE IN INJECTABLE AND SUBLINGUAL

The efficacy of immunotherapy will be highest when including allergen extracts deemed relevant based on exposure and seasonality of signs. An effective immunotherapy should avoid including cross-reactive allergens. The list of potential allergen extracts for immunotherapy are below. When determining allergens for immunotherapy, we advise including only those deemed clinically relevant. Allergens have been subdivided into positive, borderline, and cross-reactive categories below.

TREATMENT OPTION 1:

Culicoides Storage Mite (Tyrophagus)

TREATMENT OPTION 2:

Culicoides
Storage Mite (Tyrophagus)
Acacia (b)*
Aspergillus (b)*
Bermuda (b)*
Birch (b)*
Cat (b)*
D. farinae (b)*
Dog (b)*
English Plantain (b)*
German Cockroach (b)*
Horse Fly (b)*
Mosquito (b)*
Privet (b)*
Ragweed Mix (b)*
Russian Thistle (b)*
Sage (b)*
Stinging Nettle (b)*
Storage Mite (Acarus siro) (b)*

For best results, include a skincare bundle with treatment:

DERMATOLOGICAL BUNDLES

INCLUDES 2 SPOT-ON, 1 SHAMPOO & 1 MOUSSE

☐ Atop7 Bundle

☐ PYO Bundle

☐ Essential 6 Bundle

ALLERGY REPORT

nextmune

Lab Number	2025810944		
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Sex	M	**Age**	8 Yrs
Owner	Cowan		
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Grasses	High Score	Positive
Bahia	23.17	
Bermuda	25.53	
Bluegrass/June	24.38	
Cultivated Rye	22.39	
Johnson	23.94	
Meadow fescue	24.69	
Orchard	18.90	
Perennial Rye	24.60	
Timothy	24.02	

Weeds	High Score	Positive
Annual Mercury	18.66	
Dock/Sorrel	24.07	
English Plantain	26.06	
Lamb's Quarter	23.34	
Mugwort	27.09	
Nettle	25.07	
Pigweed	23.82	
Ragweed	25.85	
Russian Thistle	25.68	
Wall Pellitory	19.32	

Trees	High Score	Positive
Acacia	26.11	
Alder	23.92	
Arizona Cypress	21.92	
Ash	23.96	
Beech	23.24	
Cottonwood	24.25	
Cypress	23.54	
Elm	19.47	
Hazelnut	23.04	
Japanese Cedar	23.31	
London Plane	24.39	
Mountain / Red Cedar	24.70	
Mulberry	18.60	
Olive	22.52	
Privet	26.52	
Silver Birch	26.12	
Walnut	22.36	

Molds & Yeasts	High Score	Positive
Alternaria	23.68	
Aspergillus	26.76	
Cladosporium	20.72	
Malassezia	24.38	
Penicillium	22.77	

Ant	High Score	Positive
Fire Ant Venom	23.79	

Bee & Wasp	High Score	Positive
Common Wasp Venom	31.52	☑
Honey Bee Venom	179.64	☑
Long-headed Wasp Venom	24.06	
Paper Wasp Venom	27.21	

Mites	High Score	Positive
Acarus siro	26.04	
B. tropicalis	25.10	
D. farinae	25.31	
D. pteronyssinus	23.84	
Glycyphagus domesticus	23.62	
Lepidoglyphus destructor	24.79	
Tyrophagus putrescentiae	30.39	☑

Cockroach	High Score	Positive
American Cockroach	24.02	
German Cockroach	26.63	

Insects	High Score	Positive
Culicoides	30.60	☑
Deer Fly	23.10	
Horse Fly	25.48	
Mosquito	25.95	
Stable Fly	21.40	

Epidermals	High Score	Positive
Cat Epithelia	26.11	
Cattle	25.78	
Dog Epithelia	25.43	
Dog urine (including Can f 5)	25.48	
Mouse Epithelia	22.76	
Rabbit Epithelia	23.44	

Fruits	High Score	Positive
Apple	25.04	
Date	22.56	
Melon	23.58	

Legumes & Nuts	High Score	Positive
Lentil	24.77	
Pea	24.65	
Peanut	25.63	
Soy	24.26	

Vegetables & Tubers	High Score	Positive
Carrot	26.60	

Cereals & Seeds	High Score	Positive
Barley	22.39	
Buckwheat	23.28	
Corn	24.29	
Cottonseed	22.80	
Linseed/Flax	24.67	
Lupine	19.28	
Millet	20.76	
Milo	24.77	
Oat	27.44	
Quinoa	21.40	
Rice	24.83	
Rye	23.45	
Sunflower	20.43	
Wheat	22.46	

Other	High Score	Positive
Latex	24.52	

POSITIVE RESULTS

nextmune

Lab Number	2025810944		
Order Date	06/12/2025		
Patient	Maestro Cowan		
Sex	M	**Age**	8 Yrs
Owner	Cowan		
Breed	Warmblood		

Equine Veterinary Clinic of Tucson

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Bee & Wasp	**Allergen Type**	**Allergen Detail**	**ng/ml**	**Tx**
Common Wasp Venom	Extract	Ves v	31.52	
Honey Bee Venom	Extract	Api m	45.08	
Honey Bee Venom	Molecular	Api m 1	179.64	
Honey Bee Venom	Molecular	Api m 10	158.27	
Honey Bee Venom	Molecular	Api m 2	30.68	

Mites	**Allergen Type**	**Allergen Detail**	**ng/ml**	**Tx**
Tyrophagus putrescentiae	Extract	Tyr p	30.39	☑

Insects	**Allergen Type**	**Allergen Detail**	**ng/ml**	**Tx**
Culicoides	Molecular	Cul o 8	30.60	☑

Common Wasp Venom Ves v

This patient has a sensitization to common wasp venom. Clinical signs follow stings from wasps, and involve a combination of immediate and late-phase reactions at the site of stings; systemic signs also can occur. There is a high cross-reactivity with venoms from hornets (Dolichovespula) and a more limited one to that of paper wasps (Polistes) and honey bees (Apis mellifera). Allergen-specific immunotherapy is currently not available for wasp venom sensitization; the treatment is symptomatic.

Honey Bee Venom Api m

This patient has a sensitization to honey bee venom. Clinical signs follow stings from honey bees, and involve a combination of immediate and late-phase reactions at the site of stings; systemic signs also can occur. There is some cross-reactivity between allergens of the honeybee and vespid venoms. In humans, cross-reactivity has been demonstrated between the bee venom and mosquito extracts. Allergen-specific immunotherapy is currently not available for honey bee venom sensitization; the treatment is symptomatic.

Honey Bee Venom Api m 1

Api m 1 is an allergen from the honey bee (Apis mellifera); it is the honey bee venom's phospholipase A2. Api m 1 is a CCD-carrying major allergen of humans sensitized to honey bee venom; our preliminary results suggest that most dogs sensitized to the honey bee venom also are sensitized to Api m 1. At this time we do not know if this is the case in cats and horses. Api m 1 is considered a marker for sensitization to honey bee and bumble bees; phospholipases A2 are not cross-reactive with phospholipases A1 from vespids (e.g., Ves v 1). Allergen-specific immunotherapy is currently not available for honey bee venom sensitization; the treatment is symptomatic.

Honey Bee Venom Api m 10

Api m 10 is an allergen from the honey bee (Apis mellifera); it is the honey bee venom's icarapin variant 2. Api m 10 is a major allergen of humans sensitized to honey bee venom; our preliminary results suggest that it is a minor allergen of dogs sensitized to honey bee venom. At this time we do not know if this is the case in cats and horses. Api m 10 can also be considered a marker for sensitization to the honey and other bees. Allergen-specific immunotherapy is currently not available for honey bee venom sensitization; the treatment is symptomatic.

Honey Bee Venom Api m 2

Api m 2 is an allergen from the honey bee (Apis mellifera); it is a member of the hyaluronidase allergen family. Api m 2 is a major allergen of humans sensitized to honey bee venom; our preliminary results suggest that it is a minor allergen of dogs sensitized to honey bee venom. At this time we do not know if this is the case in cats and horses. Api m 2 can also be considered a marker for sensitization to honey bees; there is some limited cross-reactivity with hyaluronidases from vespids. Allergen-specific immunotherapy is currently not available for honey bee venom sensitization; the treatment is symptomatic.

nextmune

Lab Number	2025810944		
Order Date	06/12/2025		
Patient	Maestro Cowan		
Sex	M	**Age**	8 Yrs
Owner	Cowan		
Breed	Warmblood		

Equine Veterinary Clinic of Tucson

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PAX pet allergy xplorer

Tyrophagus putrescentiae Tyr p

This patient has a sensitization to storage mites. Associated allergic signs are generally year-round, but storage mites are known to proliferate during times of high humidity and temperature. There is a known cross-reactivity between allergens of house dust and storage mite species. Allergen-specific immunotherapy is recommended for storage mite sensitization, if the corresponding clinical signs occur.

Culicoides Cul o 8

Cul o 8 is an allergen from the midge Culicoides obsoletus; it is a member of the Kunitz protease inhibitor family. The potential for cross-reactions with similar proteins of other Culicoides species is likely high. Cul o 8 is an allergen shown to be relevant in horses with insect-bite hypersensitivity. The avoidance of insect bites via multifacetted insect control measures is the most effective treatment option for insect bite hypersensitivity. Immunotherapy is recommended for these insects, if the corresponding clinical signs occur.

nextmune

Lab Number	2025810944
Order Date	06/12/2025
Patient	Maestro Cowan
Sex M	**Age** 8 Yrs
Owner	Cowan
Breed	Warmblood

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Grasses	Allergen Type	Allergen Detail	ng/ml
Bahia	Extract	Pas n	23.17
Bermuda	Extract	Cyn d	25.53
Bermuda	Molecular	Cyn d 1	22.09
Bluegrass/June	Extract	Poa p	24.38
Cultivated Rye	Extract	Sec c_pollen	22.39
Johnson	Extract	Sor h	23.94
Meadow fescue	Extract	Fes p	24.69
Orchard	Extract	Dac g	18.90
Perennial Rye	Molecular	Lol p 1	24.60
Timothy	Molecular	Phl p 1	23.33
Timothy	Molecular	Phl p 12	23.55
Timothy	Molecular	Phl p 2	23.53
Timothy	Molecular	Phl p 5.0101	23.14
Timothy	Molecular	Phl p 6	24.02
Timothy	Molecular	Phl p 7	24.02

Weeds	Allergen Type	Allergen Detail	ng/ml
Annual Mercury	Molecular	Mer a 1	18.66
Dock/Sorrel	Extract	Rum a_Rum c	24.07
English Plantain	Extract	Pla l	26.06
English Plantain	Molecular	Pla l 1	21.86
Lamb's Quarter	Extract	Che a	23.34
Lamb's Quarter	Molecular	Che a 1	22.11
Mugwort	Extract	Art v	23.14
Mugwort	Molecular	Art v 1	21.71
Mugwort	Molecular	Art v 3	27.09
Nettle	Extract	Urt d	25.07
Pigweed	Extract	Ama r	23.82
Ragweed	Extract	Amb a	23.77
Ragweed	Molecular	Amb a 1	25.85
Ragweed	Molecular	Amb a 4	24.70
Russian Thistle	Extract	Sal k	25.68
Russian Thistle	Molecular	Sal k 1	21.40
Wall Pellitory	Extract	Par j	19.32
Wall Pellitory	Molecular	Par j 2	14.15

Trees	Allergen Type	Allergen Detail	ng/ml
Acacia	Extract	Aca m	26.11
Alder	Extract	Aln g	22.43
Alder	Molecular	Aln g 1	23.47
Alder	Molecular	Aln g 4	23.92
Arizona Cypress	Molecular	Cup a 1	21.92

nextmune

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Sex	M	**Age**	8 Yrs
Owner	Cowan		
Breed	Warmblood		

Equine Veterinary Clinic of Tucson

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Trees	Allergen Type	Allergen Detail	ng/ml
Ash	Extract	Fra e	23.96
Ash	Molecular	Fra e 1	22.83
Beech	Molecular	Fag s 1	23.24
Cottonwood	Extract	Pop n	24.25
Cypress	Extract	Cup s	23.54
Elm	Extract	Ulm c	19.47
Hazelnut	Molecular	Cor a 1.0103	18.79
Hazelnut	Extract	Cor a_pollen	23.04
Japanese Cedar	Molecular	Cry j 1	23.31
London Plane	Molecular	Pla a 1	22.19
London Plane	Molecular	Pla a 2	22.32
London Plane	Molecular	Pla a 3	24.39
Mountain / Red Cedar	Extract	Jun a_Jun v	24.70
Mulberry	Extract	Mor r	18.60
Olive	Molecular	Ole e 1	21.78
Olive	Molecular	Ole e 7	22.32
Olive	Molecular	Ole e 9	21.90
Olive	Extract	Ole e_pollen	22.52
Privet	Extract	Lig v	26.52
Silver Birch	Extract	Bet v	23.50
Silver Birch	Molecular	Bet v 1	23.74
Silver Birch	Molecular	Bet v 2	26.12
Silver Birch	Molecular	Bet v 6	24.52
Walnut	Extract	Jug r_pollen	22.36

Molds & Yeasts	Allergen Type	Allergen Detail	ng/ml
Alternaria	Extract	Alt a	22.67
Alternaria	Molecular	Alt a 1	20.08
Alternaria	Molecular	Alt a 6	23.68
Aspergillus	Extract	Asp f	25.44
Aspergillus	Molecular	Asp f 1	26.76
Aspergillus	Molecular	Asp f 3	23.21
Aspergillus	Molecular	Asp f 4	24.12
Aspergillus	Molecular	Asp f 6	24.31
Aspergillus	Molecular	Asp f 8	23.12
Cladosporium	Extract	Cla h	20.13
Cladosporium	Molecular	Cla h 8	20.72
Malassezia	Extract	Mala p	24.38
Malassezia	Molecular	Mala s 1	18.89
Malassezia	Molecular	Mala s 11	22.96
Malassezia	Molecular	Mala s 5	21.07
Malassezia	Molecular	Mala s 6	20.22

nextmune

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Sex	M	**Age**	8 Yrs
Owner	Cowan		
Breed	Warmblood		

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Molds & Yeasts	**Allergen Type**	**Allergen Detail**	**ng/ml**
Malassezia	Molecular	Mala s 9	18.70
Penicillium	Extract	Pen ch	22.77

Ant	**Allergen Type**	**Allergen Detail**	**ng/ml**
Fire Ant Venom	Extract	Sol spp	23.79

Bee & Wasp	**Allergen Type**	**Allergen Detail**	**ng/ml**
Common Wasp Venom	Molecular	Ves v 1	21.62
Common Wasp Venom	Molecular	Ves v 5	21.03
Honey Bee Venom	Molecular	Api m 3	26.21
Honey Bee Venom	Molecular	Api m 5	20.66
Long-headed Wasp Venom	Extract	Dol spp	24.06
Paper Wasp Venom	Extract	Pol d	27.21
Paper Wasp Venom	Molecular	Pol d 5	22.29

Mites	**Allergen Type**	**Allergen Detail**	**ng/ml**
Acarus siro	Extract	Aca s	26.04
B. tropicalis	Extract	Blo t	25.10
B. tropicalis	Molecular	Blo t 10	18.16
B. tropicalis	Molecular	Blo t 21	16.46
B. tropicalis	Molecular	Blo t 5	21.40
D. farinae	Extract	Der f	25.31
D. farinae	Molecular	Der f 1	21.07
D. farinae	Molecular	Der f 15	22.94
D. farinae	Molecular	Der f 18	23.31
D. farinae	Molecular	Der f 2	24.99
D. pteronyssinus	Extract	Der p	22.31
D. pteronyssinus	Molecular	Der p 1	22.21
D. pteronyssinus	Molecular	Der p 10	16.08
D. pteronyssinus	Molecular	Der p 11	19.42
D. pteronyssinus	Molecular	Der p 2	23.74
D. pteronyssinus	Molecular	Der p 20	23.28
D. pteronyssinus	Molecular	Der p 21	22.73
D. pteronyssinus	Molecular	Der p 23	23.28
D. pteronyssinus	Molecular	Der p 5	22.08
D. pteronyssinus	Molecular	Der p 7	23.84
Glycyphagus domesticus	Molecular	Gly d 2	23.62
Lepidoglyphus destructor	Extract	Lep d	24.79
Lepidoglyphus destructor	Molecular	Lep d 2	18.52
Tyrophagus putrescentiae	Molecular	Tyr p 2	21.57

Cockroach	**Allergen Type**	**Allergen Detail**	**ng/ml**
American Cockroach	Molecular	Per a 6	24.02

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Cockroach	Allergen Type	Allergen Detail	ng/ml
American Cockroach	Molecular	Per a 7	23.34
German Cockroach	Extract	Bla g	26.63
German Cockroach	Molecular	Bla g 1	24.28
German Cockroach	Molecular	Bla g 2	25.92
German Cockroach	Molecular	Bla g 4	22.73
German Cockroach	Molecular	Bla g 5	21.41
German Cockroach	Molecular	Bla g 9	20.07

Insects	Allergen Type	Allergen Detail	ng/ml
Culicoides	Extract	Cul n	27.02
Culicoides	Molecular	Cul o 11	20.15
Culicoides	Molecular	Cul o 3	20.37
Culicoides	Molecular	Cul o 5	24.12
Culicoides	Molecular	Cul o 7	22.11
Culicoides	Molecular	Cul o 9	26.94
Deer Fly	Extract	Chr v	23.10
Horse Fly	Extract	Tab spp.	25.48
Mosquito	Extract	Aed a	25.95
Stable Fly	Extract	Sto c	21.40

Epidermals	Allergen Type	Allergen Detail	ng/ml
Cat Epithelia	Molecular	Fel d 1	21.45
Cat Epithelia	Molecular	Fel d 2	23.74
Cat Epithelia	Molecular	Fel d 4	24.25
Cat Epithelia	Molecular	Fel d 7	26.11
Cattle	Molecular	Bos d 2	25.78
Dog Epithelia	Molecular	Can f 1	23.78
Dog Epithelia	Molecular	Can f 2	25.43
Dog Epithelia	Molecular	Can f 3	23.00
Dog Epithelia	Molecular	Can f 4	22.33
Dog Epithelia	Molecular	Can f 6	19.71
Dog Epithelia	Molecular	Can f_Fd1	24.28
Dog urine (including Can f 5)	Extract	Can f_male urine	25.48
Mouse Epithelia	Molecular	Mus m 1	22.76
Rabbit Epithelia	Molecular	Ory c 1	23.44
Rabbit Epithelia	Molecular	Ory c 2	22.50
Rabbit Epithelia	Molecular	Ory c 3	21.45

Fruits	Allergen Type	Allergen Detail	ng/ml
Apple	Molecular	Mal d 1	19.98
Apple	Molecular	Mal d 2	23.75
Apple	Molecular	Mal d 3	25.04

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Fruits	Allergen Type	Allergen Detail	ng/ml
Date	Extract	Pho d_fruit	22.56
Melon	Molecular	Cuc m 2	23.58

Legumes & Nuts	Allergen Type	Allergen Detail	ng/ml
Lentil	Extract	Len c	22.73
Lentil	Molecular	Len c 1	24.77
Lentil	Molecular	Len c 2	20.93
Lentil	Molecular	Len c 3	23.84
Pea	Extract	Pis s	23.48
Pea	Molecular	Pis s 1	21.46
Pea	Molecular	Pis s 2	24.65
Pea	Molecular	Pis s 3	20.92
Peanut	Molecular	Ara h 1	23.99
Peanut	Molecular	Ara h 15	25.21
Peanut	Molecular	Ara h 2	23.14
Peanut	Molecular	Ara h 3	22.32
Peanut	Molecular	Ara h 5	23.31
Peanut	Molecular	Ara h 6	23.82
Peanut	Molecular	Ara h 8	25.63
Peanut	Molecular	Ara h 9	21.49
Soy	Extract	Gly m	23.72
Soy	Molecular	Gly m 4	20.23
Soy	Molecular	Gly m 5	22.86
Soy	Molecular	Gly m 6	24.09
Soy	Molecular	Gly m 8	24.26

Vegetables & Tubers	Allergen Type	Allergen Detail	ng/ml
Carrot	Extract	Dau c	25.48
Carrot	Molecular	Dau c 1	26.60

Cereals & Seeds	Allergen Type	Allergen Detail	ng/ml
Barley	Extract	Hor v	22.39
Buckwheat	Extract	Fag e	22.80
Buckwheat	Molecular	Fag e 2	23.28
Corn	Extract	Zea m	24.29
Corn	Molecular	Zea m 14	22.40
Corn	Extract	Zea m_GBSSI	22.77
Cottonseed	Extract	Gos h	22.80
Linseed/Flax	Extract	Lin u	24.67
Lupine	Extract	Lup a	19.28
Millet	Extract	Pan m	20.76
Milo	Extract	Sor b	24.77

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Sex	M	**Age**	8 Yrs
Owner	Cowan		
Breed	Warmblood		

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Cereals & Seeds	Allergen Type	Allergen Detail	ng/ml
Oat	Extract	Ave s	27.44
Quinoa	Extract	Che q	21.40
Rice	Extract	Ory s	24.83
Rice	Molecular	Ory s_GLUB1	22.66
Rye	Extract	Sec c_flour	23.45
Sunflower	Extract	Hel a	20.43
Wheat	Extract	Tri a	22.33
Wheat	Molecular	Tri a 14	22.43
Wheat	Molecular	Tri a 19	18.66
Wheat	Extract	Tri a aA_TI	22.46

Other	Allergen Type	Allergen Detail	ng/ml
Latex	Molecular	Hev b 1	23.17
Latex	Molecular	Hev b 11	21.64
Latex	Molecular	Hev b 3	19.67
Latex	Molecular	Hev b 5	24.52
Latex	Molecular	Hev b 6.02	22.18

Dietary Results

This patient did not test positive for any IgE sensitizations to foods. We would recommend conducting a diet trial, if the patient is symptomatic for food sensitivities.

Start Here.

Before adjusting your horse's diet, review these results and develop an updated dietary plan ***alongside your veterinarian***

and take into account your horse's...

AGE

WORKLOAD

STAGE OF DEVELOPMENT

METABOLISM

Why allergy treatment?

IMPROVEMENT RATES AS HIGH AS **90%**

Allergy testing without proceeding to allergy therapy does little to improve your horse's quality of life. Allergy therapy is the ONLY way to increase tolerance and address the root cause of their symptoms without harsh side effects. This is accomplished by introducing their immune system to small, controlled doses of the allergens to which they've reacted.

Treatment is available in allergy drops (lasting 100 days) or allergy injections (lasting 283 days). Regardless of which method you choose, treatment sets are formulated specifically for your horse based on their allergy test results.

With compliance from both the horse owner and the veterinarian, Nextmune US has seen improvement rates as high as 90%* – this means less reactions!

Discuss the details of your horse's treatment with your veterinarian today!

*According to a veterinary survey

Hypo-sensitization for allergy management

ALLERGY INJECTIONS

- Every other day initially & eventually once per month
- Treat up to 24 allergens per set
- Initial set lasts 283 days
- Most economical option
- Observe horse for 45 minutes after each dose

ALLERGY DROPS

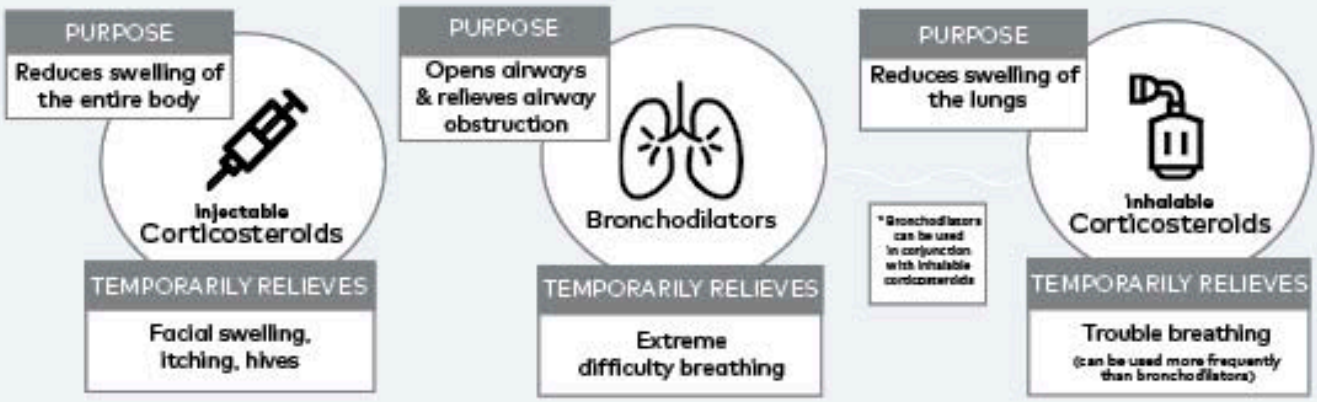
- Once a day oral administration
  (3 pumps - No food/drink 10 minutes before/after)
- Treat up to 24 allergens per set
- Initial set lasts 100 days
- Observe horse for 45 minutes after each dose

TREATMENT COMPARISON

Treatment	Effectiveness	Side Effects	Cost	Benefits	Downsides
Clenbuterol	Up to 75% of cases experienced clinical improvement[1]	May cause mild sweating, muscle tension, urination, & tachycardia	About $10/day[2]	Oral treatment, easy to administer, longer lasting than aerosoled medications	Not effective for all horses, check withdrawal times before competition, potentially extensive treatment schedule
NextmuneUS Testing & Treatment	Very effective in about 85-90% of cases[3]	Low instance in increased allergy symptoms (depending on season)	About $1/day (injection), about $2/day (oral)	Efficacy, addresses root cause of allergy symptoms, safe for long term use	Can take 4-6 months before benefits of therapy are seen

1. ncbi.nlm.nih.gov/pubmed/8575403 2. Based on 1,000 lb horse at 5mls, 2 times daily for the recommended 30 days. (sources: product label & vet depot website) 3. Internal veterinary survey

OTHER SHORT-TERM OPTIONS



Topical Therapy is VITAL to your patient's success!

A weekly skin, ear, and hair care routine is critical when we are managing atopic dermatitis. What is atopic dermatitis? It is a chronic skin condition that causes redness, inflammation, and intense itching.

Topical therapies like sprays, shampoos, and mousses can help soothe itchy skin and support the repair of the skin barrier. Using these products on a weekly basis ensures that your pet continues to receive skin support and can also reduce relapses of patients who appear well managed.

Ectoparasite control with an isoxazoline medication is important for all canine and feline patients. These medications kill mites along with fleas and ticks. Mites are the #1 cause of itch in dogs, cats, and humans. Your pet may experience significantly less itchiness when using an isoxazoline to prevent mite exposure.

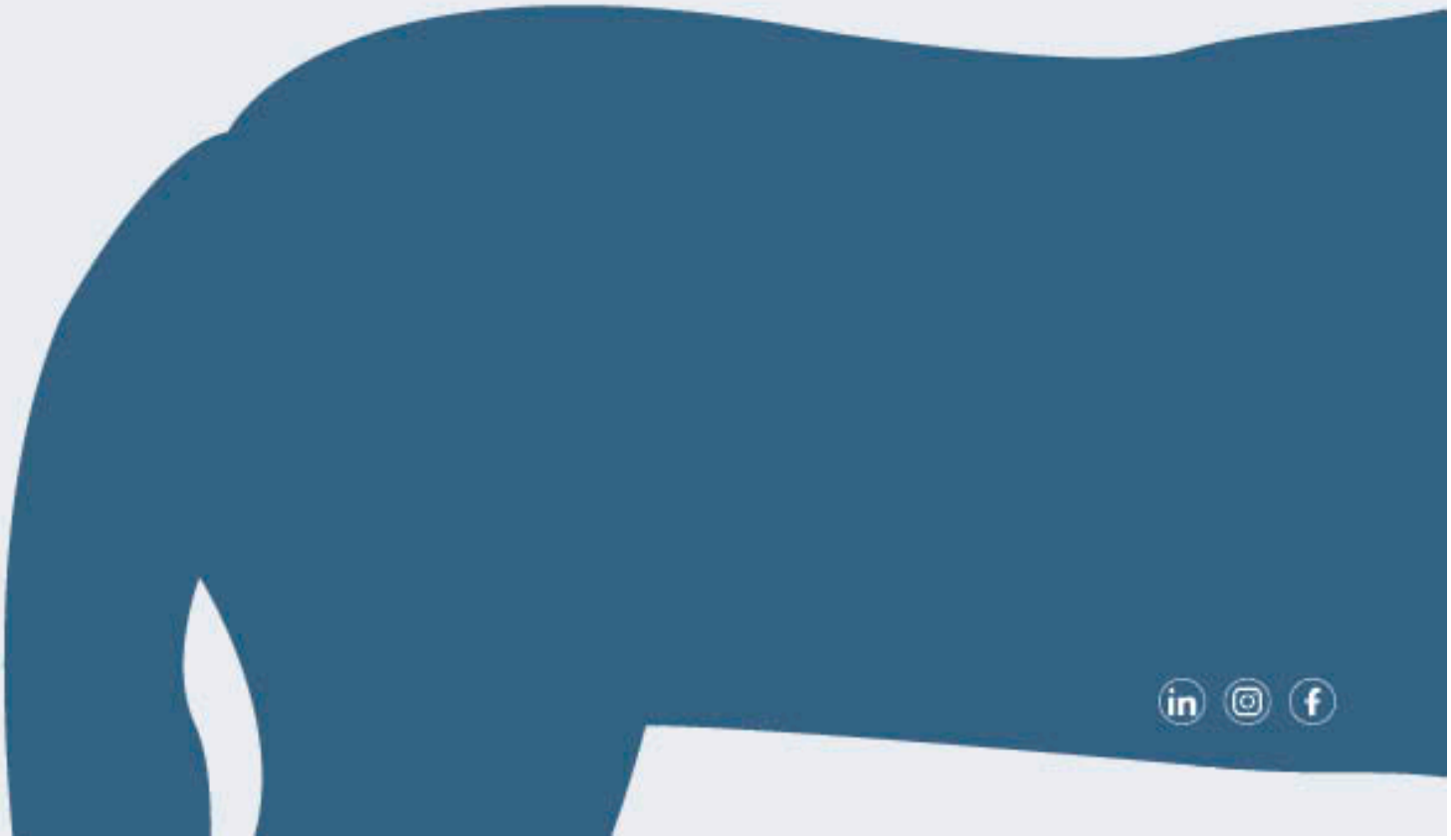
Your veterinarian can help guide you on which products will best support the specific skin conditions your pet may be experiencing.

Equine Veterinary Clinic of Tucson
1035 N Javelina Pl
Tucson, AZ 85748

Thank you for choosing

nextmune

for your allergy testing



College of Veterinary Medicine

Animal Health Diagnostic Center
240 Farrier Road, Cornell University, Ithaca, NY 14853
Ph: 607-253-3900 Fax: 607-253-3943
https://ahdc.vet.cornell.edu

Finalized Report

Accession Number: **160724-25**

Owner: Jessica Cowan

Equine Veterinary Clinic of Tucson - (466290)
DR Chauncey Smith
1035 N Javalina Pl
Tucson, AZ 85748
(520) 330-1050

Sampled: 06/12/2025
Received: 06/18/2025
Finalized: 06/20/2025
Reference Number: Jessica Cowan

Toxicology

Director Dr. Andrew Miller - 607-253-3900

Vitamin E Alcohol, in serum

Item		Result	Reference Interval
1	Maestro - Equine Warmblood, Nos Castrate Serum	Concentration: 198 ug/dL	

Comments: This serum vitamin E concentration is near the lower limit of the reference values given for a mature horse.

The reference values for serum vitamin E in horses vary with age. The following values are based on data in Vitamin Levels in Animal Health, published in 1994 by Puls.

Neonatal foal: 180 to 200 ug/dL
10 day to 1 month old foal: 120 to 800 ug/dL
1 month to 2 years old: 150 to 1000 ug/dL
Mature horse: 200 to 1000 ug/dL

Vitamin E is not stable and some sample characteristics and handling procedures may decrease the concentration of vitamin E present in serum samples. Factors that may affect vitamin E levels in a serum sample include hemolysis, contact with rubber stoppers, gel from serum separator tubes, repeated freezing and thawing and exposure to light. The NRC recommends that equine diets contain 80 to 100 IU vitamin E per kg of dry matter. Vitamin E is very safe to supplement and vitamin E toxicosis has not been reported in livestock.

Test Interpretations

Vitamin E Alcohol, in serum This analysis determines the vitamin E (as alpha-tocopherol) concentration in serum samples utilizing HPLC-FLD. Submission of an inappropriate sample, such as plasma instead of serum, or a hemolyzed specimen, could affect the accuracy of the test result.