



IDWEST ANIMAL BLOOD SERVICES, INC.

4983 Bird Drive Stockbridge, MI 49285

Phone: 517-851-8244

Toll Free: 877-517-6227

Fax: 517-851-7762

March 2007

FEPRBC Feline Packed Red Blood Cells: Type A and B available \$137.50
Stored on Optisol 25mls/unit
Shelf life: 35 days

FEFFP Feline Fresh Frozen Plasma: Type A and B available \$121.00
25mls/unit
Shelf Life: 1 year

All cats are cattery housed. Cats are typed for A, B and AB. Donors are screened for FeLV, FIV, corona, Toxoplasmosis, *Bartonella hensalae* and *Mycoplasma hemofelis/haeminimumum*. All donors are monitored at every donation using PCV and protein evaluations.

CANINE

CAPRBC Canine Packed Red Blood Cells: Universal Donor \$133.00
Stored on Optisol 250mls/unit
Shelf life: 35 days

CAPRBC 1.1,4 Canine Packed Red Blood Cells: DEA 1.1,4 \$91.00
Stored on Optisol 250mls/unit
Shelf life: 35 days
Due to limited availability, we are not shipping outside of our immediate service area.

CAFFP Canine Fresh Frozen Plasma: Negative for antibodies to all known DEA types
1 unit 210mls/unit \$181.50
1/2 unit 110mls/unit \$ 93.50
1/4 unit 50mls/unit \$ 68.00

CAPLT Canine Platelet Concentrate: Frozen 1×10^{11} platelets/unit \$302.50
100mls/unit
Shelf Life: 6 months

CACRYO Canine Cryoprecipitate: Negative for antibodies to all known DEA types \$192.50
45-65mls/unit
Shelf life: 1 year

CACRYOP Canine Cryoprecipitate Poor Plasma: \$ 73.00
Negative for antibodies to all known DEA types
100mls/unit
Shelf life: 1 year

CACUS Canine Plasma: Custom Processing 210mls/unit Ask For Quote
Restricted to immediate service area: 5 dogs minimum

Universal donors refer to DEA 4 only. Dogs have been monitored using CBC, chemistry profile, von Willebrand's factor assay, and thyroid assay (when appropriate). All units are individually tested for Ehrlichia sp. (PCR/IFA), *Babesia canis/gibsonii* (PCR), *Mycoplasma hemocanis* (PCR) and Leishmania sp. (IFA).

LLAMAS

LLFFP	Llama Frozen Plasma		\$178.00
	Collected by Triple J Far	ms	225mls/unit
	<i>Shelf life: 3 year</i>		
LLCUS	Llama Plasma: Custom Processing		Ask For Quote

RUMINANTS

BOFP	Bovine Frozen Plasma		\$109.00
		500mls/unit	
	<i>Shelf life: 5 years</i>		
SRFP	Ovine Frozen Plasma		\$ 90.75
		210mls/unit	
	<i>Shelf life: 5 years</i>		
BOCUS	Bovine Plasma: Custom Processing		Ask For Quote
SRCUS	Small Ruminant Plasma: Custom Processing		Ask For Quote

All ruminants are monitored with CBC and chemistry profile. Small ruminants are screened annually for CAE. Bovine donors are screened annually for Brucellosis, TB, BVD and BLV. Please contact us for complete vaccination protocol.

SHIPPING CHARGES

Our goal is to provide you with product as quickly and economically as possible. Shipping charges are in addition to the product price. Private courier will ship stat orders within the state of Michigan when possible. Routine shipments are sent (primarily) UPS Next Day Air (approximately \$45-\$65/container). *Same day service outside the state of Michigan can be provided to most metropolitan areas. Please call for quote.*



LOOKING FOR WAYS TO SAVE MONEY?

Place your orders in a quantity that minimizes your shipping costs. Our routine mailers ship two [small box] or four [large box] fresh frozen plasma units at a time.



LABORATORY SERVICES

ERYTHROCYTE TESTING

Test Code	Test Description	Cost	Recommended Submission
DEA	Dog Erythrocyte Antigen Assay "Canine Blood Type" Tests for DEA 1.1,1.2,3,4,5 and 7 Antibody Screen for anti-DEA antibodies included	\$60.50*	3ml EDTA (purple top) 1ml serum (separated) 3-5 days for results
DEAS	Dog Erythrocyte Antigen Assay: SHORT Tests for DEA 1.1,1.2 and 7	\$49.50	3ml EDTA (purple top) 3-5 days for results
DEA1112	Dog Erythrocyte Antigen Assay: 1. System ONLY Tests for DEA 1.1 and 1.2	\$33.00	3ml EDTA (purple top) 3-5 days for results
FEA	Feline Erythrocyte Antigen Assay "Feline Blood Typing" Tests for FEA A, B and AB via tube agglutination	\$44.00*	3ml EDTA (purple top) 3-5 days for results
K9CXM	Canine Crossmatch: Major and Minor (per donor)	\$27.50	3ml EDTA (purple top) 1ml serum (separated) <i>INCLUDE FOR DONOR AND RECIPIENT</i>
K9CXMih	<i>USING OUR DONOR</i>	\$38.50	3ml EDTA (purple top) 1ml serum (separated)
FeCXM	Feline Crossmatch: Major and Minor (per donor)	\$27.50	3ml EDTA (purple top) 1ml serum (separated) <i>INCLUDE FOR DONOR AND RECIPIENT</i>
FeCXMih	<i>USING OUR DONOR</i>	\$38.50	3ml EDTA (purple top) 1ml serum (separated)
LACXM	Large Animal Crossmatch: Major and Minor (per donor)	\$27.50	3ml EDTA (purple top) 1ml serum (separated) <i>INCLUDE FOR DONOR AND RECIPIENT</i>
AbSCRN	Erythrocyte Antibody Screen	\$55.00	3ml EDTA (purple top) 3ml serum (separated) 7 days for results

* Submissions of more than 4 samples at a time are discounted \$5.00/sample



LABORATORY SERVICES

BLOOD DONOR SCREENING

K9DSCRN5	COMPLETE Canine Blood Donor Screen includes: DEA, antiDEA antibody screen, Babesia PCR (gibsoni, canis), Ehrlichia genus PCR, Mycoplasma genus PCR, Leishmania IFA and <i>Ehrlichia canis</i> IFA	\$175.00	7ml EDTA (purple top) 3ml serum separated 5-7 days for results
K9DSCRN3	Minor Canine Blood Donor Screen includes: DEA, antiDEA antibody screen, Babesia PCR (gibsoni, canis), Mycoplasma genus PCR, Leishmania IFA	\$165.00	7ml EDTA (purple top) 3ml serum separated 5-7 days for results
K9DSCRN1	<i>Old Style</i> Canine Blood Donor Screen includes: DEA, antiDEA antibody screen, <i>Babesia canis</i> IFA, <i>Ehrlichia canis</i> IFA, <i>Rickettsia rickettsia</i> IFA, <i>Borrelia burgdorferi</i> IFA, <i>Leishmania donovani</i> IFA and <i>Anaplasma phagocytophilum</i> IFA	\$209.00	3ml EDTA (purple top) 3ml serum separated 5-7 days for results
FELDSCRN	Complete Feline Blood Donor Screen includes: FEA, serum verification if required, Mycoplasma genus PCR, Bartonella genus PCR	\$115.50	7ml EDTA (purple top) 3ml serum separated 5-7 days for results
RETRO	Feline Retroviral Screen: FeLV Antigen and FIV Antibody	\$38.50	3ml EDTA (purple top)
INFSNGL	Individual PCR or IFA testing for any above mentioned infectious disease screen	\$60.50	3ml EDTA (purple top)

Above tests may be requested without the erythrocyte antigen and antibody testing

by marking test request -EA. (Example: FELDSCRN-EA)

A credit of \$85.00 will be applied to canine samples submitted in this fashion.

A credit of \$35.00 will be applied to feline samples submitted in this fashion.

A discount of \$5.00/sample will be applied when batches of 4 or more are submitted.

In order to provide the best quality results, we request that you provide the sample amount recommended. Samples should be submitted with blue ice packs. Be sure to protect samples from transport damage by wrapping carefully. Do not allow direct contact between samples and blue ice. Samples are best transported by overnight courier. **DO NOT ALLOW SAMPLES TO FREEZE.**

Please send packages to:

Midwest Animal Blood Services, Inc.
4983 Bird Dr.
Stockbridge, MI 49285





LABORATORY SERVICES

ANTISERA FOR BLOOD TYPING

ANTISERA	DESCRIPTION	Cost	AVAILABILITY
ANTIDEA 1.X	1 ml increment; canine derived polyclonal serum; recognizes all known subtypes of DEA 1. system (1.1,1.2,1.3)	\$110.00	Immediate
ANTIDEA 1.1	1 ml increment; canine derived polyclonal serum; recognizes DEA 1.1	\$66.00	Immediate
ANTIDEA 3	1 ml increment; canine derived polyclonal serum; recognizes DEA 3	\$110.00	Immediate <i>Maximum of 5ml/order</i>
ANTIDEA 4	1 ml increment; canine derived polyclonal serum; recognizes DEA 4	\$66.00	Immediate
ANTIDEA 5	1 ml increment; canine derived polyclonal serum; recognizes DEA 5	\$110.00	Immediate <i>Maximum of 5ml/order</i>
ANTIDEA 7	1 ml increment; canine derived polyclonal serum; recognizes DEA 7	\$110.00	Immediate
ANTIFEA A	1 ml increment; feline derived polyclonal serum; recognizes FEA A	\$90.75	Immediate
ANTIFEA B	1 ml increment; feline derived polyclonal serum; recognizes FEA B	\$90.75	Immediate
USDA CERTIFICATE	A USDA certificate is required for shipment of antisera outside of the United States	\$82.50	2-3 weeks for processing
SHIPPING	Call for a quote to your local area		

- Coombs reagent may be purchased through VMRD, Inc. www.vmr.com

INTERNATIONAL CUSTOMERS

Please note that a minimum order of 4ml (any combination of antisera) applies to International orders. Shipments outside the USDA may be subject to import charges and taxes, which are the responsibility of the consignee and will be billed directly to you, the buyer. Payment can be made by US money order, check drawn on a US bank or by wire transfer. If you are planning a wire transfer, please email Dr. Hale at ahale@midwestabs.com for information.

It is the responsibility of the purchaser to provide us with the following information: Does your city accept canine antisera as a frozen liquid with dry ice?

Is there any documentation (in addition to a commercial invoice) needed by your country for customs clearance (If so, please provide a copy so we can include it with your order)?

What number of days will your preferred shipper require to deliver to your location?

(Remember to include customs clearance time.)

DEA Antisera is a perishable product. We make every effort to prepare your shipment according to standard shipping regulations. We cannot be responsible for reagent loss due to delays because of local shipping regulations, customs or other local variances in the country of importation.



LABORATORY SERVICES

TRANSPLANT COMPATIBILITY TESTING

Test Code	Test Description	Cost	Recommended Submission
CANINE			
DEA	Dog Erythrocyte Antigen Assay "Canine Blood Type" Tests for DEA 1.1,1.2, 1.3,3,4,5 and 7 Antibody screen for anti-DEA antibodies included	\$60.50	3ml EDTA (purple top)/1ml serum (separated) <i>INCLUDE FOR DONOR AND RECIPIENT</i>
K9CXM	Canine Crossmatch: Major and minor (per donor)	\$27.50	3ml EDTA (purple top)/1ml serum (separated) <i>INCLUDE FOR DONOR AND RECIPIENT</i>
LYMATCH	Lymphocyte Crossmatch (per donor): test is often performed just prior to transplant to evaluate for possible acute graft vs. host reactions	\$165.00	7ml EDTA (purple top)/2ml serum (separated) <i>INCLUDE FOR DONOR AND RECIPIENT MUST SUBMIT Mon-Wed ONLY!</i>
DLA-DQ	Dog Lymphocyte Antigen analysis: DQ <i>Molecular sequence comparison</i>	\$159.50	7ml EDTA (purple top) <i>INCLUDE FOR DONOR AND RECIPIENT</i>
DLA-DR	Dog Lymphocyte Antigen analysis: DR <i>Molecular sequence comparison</i>	\$159.50	7ml EDTA (purple top) <i>INCLUDE FOR DONOR AND RECIPIENT</i>
DCOMP	Complete Dog Erythrocyte and Lymphocyte Compatibility Testing (1 donor/1 recipient) Includes: DEA, antibody screen for anti-DEA antibody, RBC crossmatch, major and minor, DLA DR/DQ (molecular typing)	\$665.00	<i>Submit a tube set for the donor and for the recipient.</i> 7 ml EDTA (purple top) 3ml EDTA (purple top) 3ml serum (separated)
DCOMPA	Additional Donor for Complete Testing Samples must be submitted at the same time as DCOMP for this pricing.	\$393.25	7 ml EDTA (purple top) 3ml EDTA (purple top) 3ml serum (separated)

All tubes should be wrapped in protective wrapping to avoid breakage during transport. Tubes should be sent at room temperature if white blood cell typing is required, not cooled or frozen.



LABORATORY SERVICES

TRANSPLANT COMPATIBILITY TESTING

Test Code	Test Description	Cost	Recommended Submission
FELINE			
FEA	Feline Erythrocyte Antigen assay "Feline Blood Typing" Includes tube agglutination testing for FEA A, B and AB	\$44.00	3ml EDTA (purple top)/1ml serum (separated) <i>INCLUDE FOR DONOR AND RECIPIENT</i>
FeCXM	Feline Crossmatch: Major and minor (per donor)	\$27.50	3ml EDTA (purple top)/1ml serum (separated) <i>INCLUDE FOR DONOR AND RECIPIENT</i>
LYMATCH	Lymphocyte Crossmatch (per donor): test is often performed just prior to transplant to evaluate for possible acute graft vs. host reactions	\$165.00	7ml EDTA (purple top)/2ml serum (separated) <i>INCLUDE FOR DONOR AND RECIPIENT MUST SUBMIT Mon-Wed ONLY!</i>
FLA Class II MHC analysis	Feline Lymphocyte Antigen analysis (<i>Molecular sequence comparison</i>)	\$143.00	7ml EDTA (purple top) <i>INCLUDE FOR DONOR AND RECIPIENT</i>
FCOMP	Complete Feline Erythrocyte and Lymphocyte Compatibility Testing (1 donor/1 recipient) Includes: FEA, antibody screen for anti-FEA antibody, RBC crossmatch, major and minor, FLA Class II (molecular typing)	\$495.00	<i>Submit a tube set for the donor and for the recipient.</i> 7 ml EDTA (purple top) 3ml EDTA (purple top) 3ml serum (separated)
FCOMPA	Additional Donor for Complete Testing Samples must be submitted at the same time as FCOMP for this pricing.	\$264.00	7 ml EDTA (purple top) 3ml EDTA (purple top) 3ml serum (separated)

All tubes should be wrapped in protective wrapping to avoid breakage during transport. Tubes should be sent at room temperature if white blood cell typing is required, not cooled or frozen.



Midwest Animal Blood Services, Inc.
 4983 Bird Drive, Stockbridge, MI 49285
 517-851-8244 / 517-851-7762 (FAX)

SUBMISSION FORM

Packages received on Saturday by special arrangement only.

SAMPLE ID #				
NAME				
BREED/SPECIES				
TEST REQUESTED				
DONOR or RECIPIENT				
COMMENTS				

If this is part of a transplantation compatibility testing check here. _____

RESULTS TO: _____

BILL TO: _____

PHONE: _____

FAX: _____

Fax report (FREE) _____ Mail report (FREE) _____ Fax and Mail (\$1.00) _____ Check one

Submitted by: _____

Please Print

In order to provide the best quality results, we request that you provide the sample amount recommended. Samples should be submitted with blue ice packs. Be sure to protect samples from transport damage by wrapping carefully. Do not allow direct contact between samples and blue ice.

SAMPLES ARE BEST TRANSPORTED BY OVERNIGHT COURIER. DO NOT ALLOW SAMPLES TO FREEZE.

NOTE: Transplant compatibility testing - Tubes should be sent at room temperature if white blood cell typing is required, not cooled or frozen.



Blood Collection Supplies and Equipment

Catalog Number	Product Description	Price
FEBF	Feline Blood Filter: 18 micron filter for syringe or venoset	\$4.95
CABF	In-Line Blood Filter: 170 micron filter with drip chamber, 74" tubing	\$ 9.35
FEBC	Feline Collection Bag: 60ml, component preparation compatible	\$16.50
SUBB	Single Use Blood Donor Bag; CPDA-1 450ml bag	\$12.10
DUBB	Double Blood Donor Bag; CPDA-1 with one 400ml transfer bag	\$19.80
TUBB	Triple Blood Donor Bag; CPDA-1 with one 400ml transfer bag and one 400ml transfer bag/100ml ADSOL	\$19.80
TR150	Transfer Bag: two outlet ports, one spike 150ml	\$7.70
TR300	Transfer Bag: two outlet ports, one spike 300ml	\$14.85
TR600	Transfer Bag: two outlet ports, two spikes 600ml	\$14.85
FESP	Blood Bag Spike Connector: for syringe access to blood bag	\$3.30

GUIDELINES FOR USE OF BLOOD AND BLOOD COMPONENTS

Canine and Feline

Dr. Hale has compiled an in-depth explanation of blood components, a chart listing appropriate blood product choices for common disease processes, instruction sheets for each component, procedures for administration and supplies you will need for transfusing your patient all in one handy reference.\$27.50

EDUCATIONAL VIDEO(S)

Feline Blood Donors.....\$54.45
Practicing Quality Transfusion Medicine: Volunteer Canine Donors\$42.35

PRACTICING QUALITY TRANSFUSION MEDICINE: Feline Blood Donors

VIDEO SUMMARY

- **Why are “banked” Feline Components Limited Nationwide?**
Feline donors require extensive infectious disease screening, custom collection supplies and protocols and unique housing.
- **How can I meet the need in my own practice?**



ANSWER *Train your staff feline blood collection, component preparation and storage.*

Choosing a Feline Donor

- *Criteria for feline donors*
- *Recommendations for screening*

Troubleshooting the Blood Donation or Why Isn't the Blood Flowing?

- *Tips*
- *Review technique*

The Blood Donation

- *Quiet room with limited access*
- *Equipment and supplies*
- *Collection*
- *Documentation*

Making the Most of Your Feline Unit by Separating into Components

- *Equipment*
- *Supplies*
- *Step-by-step processing*
- *Storage*

PRACTICING QUALITY TRANSFUSION MEDICINE: Volunteer Canine Donors

VIDEO SUMMARY



Where has all the blood gone?

Animal emergency clinics, referral centers and routine field practices have found increased use for the transfusion of blood and blood components.

Choosing a Canine Donor

- *Criteria for canine donors*
- *Recommendations for screening*

Owner and Pet Donor: First Contact

Because your client's pet is one of only 15% of universal canine donors in the population nationwide, he is very special. Treat him like the special dog he is!

The Blood Donation

- *Quiet room with limited access*
- *Equipment and supplies*
- *Collection*
- *Documentation*

Troubleshooting the Blood Donation or Why Isn't the Blood Flowing?

- *Tips*
- *Review technique*

Rewarding Your Donors

- *Free samples, toys, bandanas, media coverage, certificates and more*