

RUSVM Lab Services Submission Guide & Fee Schedule



The **Lab Services Diagnostic Laboratory** serves the Ross University School of Veterinary Medicine (RUSVM) and the wider community. The Lab performs routine diagnostic testing on thousands of samples annually. Testing is performed on the following species but is not limited to companion animals, exotic, aquatic, and large animals. The Lab Services Diagnostic Laboratory participates in the Veterinary Laboratory Association Quality Assurance Program (VLAQAP) and Animal and Plant Health Inspection Services (APHIS) quality assurance programs on an annual basis.

Lab Services provides diagnostic expertise in the following service sections:

- **Bacteriology & Mycology:** Isolation and identification of disease-causing bacteria and fungi and susceptibility testing.
- **Clinical Pathology:** Diagnostic testing in the areas of clinical biochemistry, hematology, hemostasis, immunology, urinalysis, and cytology.
- **Parasitology:** Identification and diagnosis of diseases caused by or related to parasitic infection.
- **Special Diagnostics:** Single-step amplification and detection of pathogenic strains of Anaplasma, Ehrlichia and Leptospira using Real-Time PCR™ tests.

Additional services include Pathology and Histology please contact the lab for more information.

Operating Hours	Sample Submission	Emergency 662-9479
Monday – Friday 8:00 AM – 4:00 PM	8:00 AM - 3:30 PM	4:01 PM – 7:30 AM Weekdays 24/7 Weekends & Holidays

Holidays: the lab is closed in observance of the following holidays.

- Independence Day 19th September
- Christmas Day 25th December
- Boxing Day 26th December
- New Year's Day 1st January
- Carnival Day 2nd January

Samples received after the sample submission cut-off will incur a STAT Service Fee and may be completed the following business day.

Properly collected, identified, and transported specimens promote timely, quality results.

- All samples should be labelled with: Patient Name, Owner name, and Date of sample collection (Record number and Study number where available)
- Cytology slides must be labelled with the sample site.
- Do not obscure sample volume with labels.
- Testing may be performed with a disclaimer on non-listed specimen types; please contact the laboratory to discuss testing on non-listed or non-validated specimens.
- Turnaround times listed below are based on normal operating conditions and do not include weekends and holidays. Capacity, inventory, and staffing may be subject to change.

Specimens must be accompanied by a completed Web Portal or VADDS requisition confirmation.

- We strongly encourage clients to submit Web Portal Requisition Forms to us via email to increase efficiency and accuracy.

Administrative, Processing and Service Fees

Request	Fee	Comment
STAT fee	\$50.00	Applied to test fee when expedited results requested (TAT 2 hours)
Urgent fee	\$30.00	Applied to test fee when urgent results requested (TAT 4 hours)
Emergency On-call fee	\$100.00	Applied to test fee for all cases submitted outside of normal operating hours

RUSVM Lab Services Fee Schedule | Effective Date 1/1/2023 | Revised 3/19/2024.

Main Road, West Farm, St. Kitts W.I | 869-465-4161 Ext 401-1438/ 1291/ 1349 | skdiagnosticservices@rossvet.edu.kn

Hematology

Specimen tubes should not be underfilled or overfilled. Pediatric tubes are not recommended. Lipemia and hemolysis can affect plasma protein results.

Code	Test	Fee	Sample Guidance/Species/ Est. Turnaround Time
HE01	Fibrinogen	\$24.00	Minimum 1ml (EDTA)/Large animals/4-8 hours
HE02	PCV and Plasma Protein	\$25.00	Minimum 1ml (EDTA)/Most species/4-8 hours
HE04	Complete Blood Count (CBC) (Plasma protein, PCV, WBC, RBC, HGB, MCV, MCH, MCHC, platelets, Manual Differential, Fibrinogen (Large Animals Only), Pathologist Review (based on lab protocol for clinical cases only))	\$110.00	Minimum 1ml (EDTA)/Most Species/4-8 hours
HE05	Avian/Reptilian CBC (Plasma protein, PCV, Eopette WBC count, Manual Differential, and Pathologist Review (based on lab protocol))	\$110.00	Minimum 1ml (LH)/Birds, Reptiles/4-8 hours
HE06	Coagulation Profile (PT and PTT)	\$115.00	Minimum 1ml (NaC)/Canine, Feline/4-8 hours
HE07	Rapidvet Canine Blood Group (DEA 1.1. antigen)	\$100.00	Minimum 2ml (EDTA)/Canine only/4-8 hours
HE08	Rapidvet Feline Blood Group (A, B and AB typing)	\$100.00	Minimum 2ml (EDTA)/Feline only/4-8 hours
HE09	Rapidvet Major Crossmatch	\$275.00	Minimum 2ml Recipient (EDTA) and Donor (RT)/Canine, Feline/4-8 hours
HE10	Rapidvet Minor Crossmatch	\$275.00	Minimum 2ml Donor (EDTA) and Recipient (RT)/Canine, Feline/4-8 hours
HE11	Manual Major Crossmatch	\$70.00	Minimum 2ml Recipient (EDTA) and Donor (RT)/Most species/8 hours
HE12	Manual Minor Crossmatch	\$70.00	Minimum 2ml Donor (EDTA) and Recipient (RT)/Most species/8 hours
HE13	Direct Stain Wright's Giemsa (Up to 10 slides)	\$25.00	Unstained Slides/All species/4-8 hours

Cytology

Please label all specimens with the patient's name and sample site. The slide preparation method and the number of slides submitted according to each site MUST be specified in history. For cytology, additional sites would incur an additional charge of \$45. Slide quantities greater than 5 per site will incur an additional \$5 per slide. All cases are referred to the Clinical Pathologist for review.

Code	Test	Fee	Sample Guidance/Species/ Est. Turnaround Time
CY02	Cytology – aspirate, smear, imprint (Includes microscopic description, pathologist review)	\$50.00	Air-dried slide(s) protected from breakage (5 slides maximum)/ indicate origin and site and complete history/ All species/1 day
CY03	CSF Analysis (Total cell count, microscopic description, pathologist review)	\$70.00	CSF (Red top tube), patient serum/Most species/1 day
CY06	Fluid Analysis with Cytology (Total cell count, TP, PCV, SG, microscopic description, pathologist review)	\$70.00	Fluid (EDTA)/Most species/1 day
CY07	Bone Marrow Cytology (Includes CBC, microscopic description, and pathologist review)	\$138.00	Air-dried slides (10 maximum) and 1ml (EDTA)/Most species/1-2 days

Chemistry

Physical interferents (hemolysis, lipemia & icterus) may cause changes in the reported concentrations of some analytes. Any results that are affected by >10% interference from hemolysis, lipemia or icterus are suppressed.

Profiles

Code	Test	Fee	Sample Guidance/Species/ Est. Turnaround Time
CH01	Comprehensive Diagnostic Profile (ALT, ALB, ALKP, AMY, CA, CRE, GLOB, GLU, PHOS, K, NA, TBIL, TP, BUN)	\$137.00	1ml (LH) or 2ml (RT)/Canine, Feline, Equine/4-8 hours
CH02	Prep Profile II (ALT, ALKP, CRE, GLU, TP, BUN)	\$105.00	1ml (LH) or 2ml (RT)/Canine, Feline, Equine/4-8 hours
CH03	Kidney Profile (ALB, CA, CL, CRE, GLU, PHOS, K, NA, TCO2, BUN)	\$50.00	1ml (LH) or 2ml (RT)/Canine, Feline, Equine/4-8 hours
CH04	Mammalian Liver Profile (ALT, ALB, ALKP, BA, TBIL, CHOL, GGT, BUN)	\$55.00	1ml (LH) or 2ml (RT)/Canine, Feline, Equine/4-8 hours
CH05	Thyroxine (T4)/Cholesterol (T4, CHOL)	\$105.00	1ml (LH) or 2ml (RT)/Canine, Feline, Equine/4-8 hours
CH07	Large Animal Profile (ALB, ALKP, AST, CA, CK, GGT, MG, PHOS, TP, BUN)	\$102.00	1ml (LH) or 2ml (RT)/Bovine, Ovine/4-8 hours
CH08	Equine Profile (ALB, AST, BUN, CA, CK, CRE, GGT, GLU, TBIL, TP, K, NA, TCO2)	\$126.00	1ml (LH) or 2ml (RT)/Equine /4-8 hours
CH09	Avian Reptilian Profile (AST, BA, CK, UA, GLU, PHOS, CA, TP, ALB, GLOB, K, NA)	\$140.00	1ml (LH) or 2ml (RT)/Birds, Reptiles/4-8 hours
CH10	Urine Protein Creatinine Ratio (UPC) (Urine protein, Urine creatinine, Urine protein: creatinine ratio)	\$75.00	1ml urine in sterile container/Canine, Feline/4-8 hours
CH11	SuperChem (ALB, ALKP, ALT, AMY, AST, BUN, CA, CHOL, CRE, GGT, GLOB, GLU, LIPA, PHOS, TBIL, TP, TRIG, ALB/GLOB ratio, NA/K ratio, Osm Calc)	\$250.00	1ml (LH) or 2ml (RT)/Most species/4-8 hours
CH25	CHEM 17 (ALB, ALKP, ALT, AMY, BUN, CA, CHOL, CRE, GGT, GLOB, GLU, LIPA, PHOS, TBIL, TP, ALB/GLOB ratio, NA/K ratio, Osm Calc)	\$85.00	1ml (LH) or 2ml (RT)/Most species/4-8 hours
CH33	LYTE 4 (CL, K, NA, NA/K ratio)	\$47.00	1ml (LH) or 2ml (RT)/Most species/4-8 hours
CH31	Canine Bile Acids (Pre and post, bile acids)	\$88.00	1ml (LH) or 2ml (RT), Marked to moderate hemolysis can affect the results /Canine/4-8 hours
CH32	Feline Bile Acids (Pre and post, bile acids)	\$88.00	

Chemistry continued

Single Slides

Code	Test	Fee	Sample Guidance/Species/ Est. Turnaround Time
CH14	Creatinine (CRE)	\$25.00	1ml (LH), 2ml (RT), 1ml serum/ Hemolysis may increase results/Most species/4-8 hours
CH17	Total Protein (TP)	\$25.00	1ml (LH) or 2ml (RT)/Most species/4-8 hours
CH18	Triglycerides (TRIG)	\$25.00	1ml (LH) or 2ml (RT)/Most species/4-8 hours
CH19	Aspartate Aminotransferase (AST)	\$25.00	1ml (LH) or 2ml (RT)/Most species/4-8 hours
CH23	Phenobarbital	\$182.00	1ml (LH) or 2ml (RT)/Canine, Feline/4-8 hours
CH24	IDEXX SDMA ®	\$94.00	1ml (LH) or 2ml (RT)/Canine, Feline/4-8 hours
CH26	Creatinine kinase (CK)	\$25.00	1ml (LH) or 2ml (RT)/Most species/4-8 hours
CH27	Uric Acid (UA)	\$25.00	1ml (LH) or 2ml (RT)/Most species/4-8 hours
CH29	Magnesium (MG)	\$25.00	1ml (LH) or 2ml (RT)/Most species/4-8 hours
CH30	Fructosamine	\$110.00	1ml (LH) or 2ml (RT)/Canine, Feline/4-8 hours
CH34	Canine C-reactive Protein (CRP)	\$55.00	1ml (LH) or 2ml (RT)/Canine/4-8 hours

Serology

Code	Test	Fee	Sample Guidance/Species/ Est. Turnaround Time
SE02	Heartworm Antibody/Antigen (Qualitative detection of <i>Dirofilaria immitis</i> Antigen & Antibody)	\$55.00	1ml (LH) or 2ml (RT)/ Hemolysis, lipemia or icterus may affect the results /Feline/4-8 hours
SE03	Giardia Antigen (Qualitative detection of Giardia Ag)	\$70.00	2g feces/Canine, Feline/4-8 hours
SE04	Canine Pancreatic Lipase (cPL) (Determination of pancreas-specific lipase levels)	\$80.00	1ml (LH) or 2ml (RT)/Hemolysis will not affect the results /Canine/4-8 hours
SE05	4DX® Plus Test (Qualitative detection of <i>Dirofilaria immitis</i> Ag, <i>Anaplasma phagocytophilum</i> Ab, <i>Anaplasma platys</i> Ab, <i>Borrelia burgdorferi</i> Ab, <i>Ehrlichia canis</i> Ab & <i>Ehrlichia ewingii</i> Ab)	\$90.00	1ml (GT or LT) or 2ml (RT)/Hemolysis or lipemia will not affect the results /Canine only/4-8 hours
SE06	FeLV/FIV Snap (Detection of feline leukemia virus (FeLV) antigen and antibody to feline immunodeficiency virus (FIV))	\$80.00	1ml (GT or LT) or 2ml (RT)/Hemolysis or lipemia will not affect the results /Feline only/4-8 hours
SE07	Baseline Cortisol (Quantitative measurement of cortisol levels)	\$70.00	2ml (RT)/ Hemolysis or lipemia will not affect the results /Canine/4-8 hours
SE09	Cortisol Low Dose Dexamethasone (Quantitative measurement of cortisol levels)	\$165.00	2ml (RT) per specimen/ Label tubes as "pre" and "post"/Hemolysis or lipemia will not affect the results /Canine/4-8 hours
SE10	Cortisol High Dose Dexamethasone (Quantitative measurement of cortisol levels)	\$165.00	2ml (RT) per specimen/Label tubes as "pre" and "post"/Hemolysis or lipemia will not affect the results /Canine/4-8 hours
SE11	Cortisol Post ACTH Stimulation – Mitotane (Quantitative measurement of cortisol levels)	\$165.00	2ml (RT) per specimen/ Label tubes as "pre" and "post"/Hemolysis or lipemia will not affect the results /Canine/4-8 hours
SE12	Feline Pancreatic Lipase (fPL) (Determination of pancreas-specific lipase levels)	\$80.00	2ml (RT)/Hemolysis, lipemia or icterus will not affect the results /Feline/4-8 hours
SE13	Cortisol ACTH Stimulation - Addison's (Determination of pancreas-specific lipase levels)	\$132.00	2ml (RT)/Hemolysis or lipemia will not affect the results /Canine, Feline/4-8 hours
SE14	Cortisol ACTH Stimulation - Cushing's (Determination of pancreas-specific lipase levels)	\$132.00	2ml (RT)/Hemolysis or lipemia will not affect the results /Canine, Feline/4-8 hours
SE15	Feline proBNP (Determination of circulating NTproBNP)	\$88.00	1ml (GT or LT)/Hemolysis or lipemia will not affect the results /Feline only/4-8 hours

Parasitology

Feces interferences: small sample, aged sample, freezing, non-formalin fixatives and samples contacting ground for >= 30 minutes

Code	Test	Fee	Sample Guidance/Species/ Est. Turnaround Time
PA01	Double Centrifugation w/count estimation (Semi-quantitative results with parasite identification are reported to estimate the number of parasites seen during this exam. They do not reflect a quantitative parasite count.)	\$90.00	2g fresh feces/Small animals/4-8 hours
PA02	Double Centrifugation w/zinc sulphate (Qualitative result of the presence of Giardia cyst and trophozoite parasite seen during this exam.)	\$80.00	2g fresh feces/Small animals/4-8 hours

Parasitology continued

Code	Test	Fee	Sample Guidance/Species/ Est. Turnaround Time
PA06	Modified Knotts (Identification and differentiation of <i>Dirofilaria immitis</i> and <i>Acanthocheilonema reconditum</i>)	\$95.00	1ml (EDTA)/Canine, Feline/4-8 hours
PA05	Fecal culture and identification (Qualitative results of nematode eggs cultured to the third larval (L3) stage)	\$100.00	10-15g fresh feces/Bovine, Equine, Ovine/ 7-10 days
PA10	McMaster Technique (Quantitative result of the presence of ova and oocyst parasites seen during this exam.)	\$40.00	2g fresh feces/Large animals/4-8 hours
PA04	Baermann Technique (Lungworms) (Detection of <i>Crenosoma</i> , <i>Aelurostrongylus</i> , <i>Angiostrongylus</i> , <i>Dictyocaulus</i> , and <i>Protostrongylus</i> stage 1 larvae (L1) lungworm larvae and nematodes)	\$40.00	10-15g fresh feces/Most species/ 2 days
PA03	Fecal Sedimentation (Isolation of eggs of flukes, whose eggs do not readily float in common flotation solutions.)	\$60.00	5g fresh feces/All species/ 4-8 hours
PA07	Skin Scraping (Microscopic examination for the identification of ectoparasites)	\$60.00	Slides/All species/4-8 hours
PA08	Ear Swabs (Otodectes) (Microscopic examination for the identification of ear mites: <i>Otodectes</i>)	\$35.00	Slides or swabs/All species/4-8 hours
PA09	Cellophane Tape Technique (Microscopic examination for the identification of pinworm (<i>Oxyuris equi</i>))	\$70.00	Slides/Equine/4-8 hours

Microbiology

All transport and culture media should be verified as “not expired” before use for sample submission. Samples must be submitted in sterile leak-proof plastic bags or containers.

Code	Test	Fee	Sample Guidance/Est. Turnaround Time
MI02	Acid Fast Stain (Ziehl-Neelson) (To detect <i>Mycobacterium</i> sp. and <i>Nocardia</i> sp.)	\$45.00	Sample in appropriate sterile transport medium/ 4-8 hours
MI09	Aerobic & Anaerobic Culture & Sensitivity (Recovery of aerobic and anaerobic organisms. Susceptibility testing included.)	\$250.00	Swabs in transport media, fluids in sterile tubes, tissues in sterile bags/7-9 days
MI10	Aerobic & Anaerobic Culture (Recovery of aerobic and anaerobic organisms. Susceptibility testing not included.)	\$220.00	Swabs in transport media, fluids in sterile tubes, tissues in sterile bags/5-7 days
MI05	Aerobic Culture (Recovery of aerobic organisms. Susceptibility testing not included.)	\$119.00	Swabs in transport media, fluids in sterile tubes, tissues in sterile bags/5-7 days

Microbiology continued

Code	Test	Fee	Sample Guidance/Est. Turnaround Time
MI06	Aerobic Culture & Sensitivity (Recovery of aerobic organisms. Susceptibility testing included.)	\$131.00	Swabs in transport media, fluids in sterile tubes, tissues in sterile bags/5-7 days
MI07	Anaerobic Culture (Recovery of anaerobic organisms. Susceptibility testing not included.)	\$135.00	Swabs in transport media, fluids in sterile tubes, tissues in sterile bags/7-9 days
MI08	Anaerobic Culture & Sensitivity (Recovery of anaerobic organisms. Susceptibility testing included.)	\$140.00	Swabs in transport media, fluids in sterile tubes, tissues in sterile bags/7-9 days
MI15	Antimicrobial Sensitivity (MIC) (Testing on isolated bacterial and fungal organisms)	\$80.00	Bacteria & Fungal isolate on appropriate medium Sensitivity Panels outline (See below) /2-4 days
MI16	Dermatophilus Culture (Recovery of Dermatophilus sp. Susceptibility testing not included.)	\$110.00	Swabs in transport media, fluids in sterile tubes, tissues in sterile bags/5-7 days
MI17	Dermatophilus Staining (Detection of Dermatophilus sp. using Wright's-Giemsa.)	\$40.00	Tissue in sterile bags, fluid in a sterile container, prepared slides/4-8 hours
MI13	Fecal Enteric Pathogen Culture & Sensitivity Fecal Enteric Pathogens [E. coli O157, Klebsiella, Yersinia, Salmonella, Shigella, Clostridium, Bacteroides (B fragilis group), Vancomycin Resistant Enterococci]. Sensitivity for ALL pathogens recovered.	\$140.00	Intestines, intestinal contents, feces, rectal swab in transport media/7-9 days
MI12	Fecal Enteric Pathogen Culture Fecal Enteric Pathogens [E. coli O157, Klebsiella, Yersinia, Salmonella, Shigella, Clostridium, Bacteroides (B fragilis group), Vancomycin Resistant Enterococci]. Susceptibility testing not included.	\$130.00	Intestines, intestinal contents, feces, rectal swab in transport media/7-9 days
MI01	Gram Stain (Distinguish between Gram-positive and Gram-negative organisms.)	\$45.00	One or more of the following: tissue, aspirates, exudates, impression smears, bacteria
MI14	Microbial Identification (Identification of bacteria and fungi using commercial identification kits.)	\$220.00	Bacteria or Fungal isolate/4-8 hours
MI03	Salmonella Typing (Determine Salmonella serotype)	\$60.00	Bacteria isolate/2-4 days
MI04	Shigella Typing (Determine Shigella serotype)	\$47.00	Bacteria isolate/2-4 days
MI11	Urine Culture & Sensitivity (Recovery of uropathogens, Susceptibility testing included.)	\$130.00	Urine (cystocentesis, catheterized and voided)/2-4 days

Mycology

Hairs, crusts, or scrapings should be collected from lesional areas with sterile instruments. All specimens submitted for mycology should be transported in sterile containers.

Code	Test	Fee	Sample Guidance/Est. Turnaround Time
MY04	Dermatophyte Medium Culture (Isolation and identification of dermatophytes. Susceptibility testing not included)	\$220.00	Hair or scrapings/6-21 days
MY05	Fungal Culture (Isolation and identification of pathogenic fungi. Susceptibility not included)	\$100.00	Scabs, swabs, tissue, aspirates, or exudates/6-30 days
MY02	Fungal Culture & Sensitivity (Isolation and identification of pathogenic fungi with susceptibility testing.)	\$30.00	Scabs, swabs, tissue, aspirates, or exudates/6-30 days
MY03	Fungal Identification (Identification of fungal isolates)	\$30.00	Fungal isolate/4-8 hours
MY06	Fungal Sensitivity (Susceptibility testing on fungal isolates)	\$115.00	Fungal isolate/4-8 hours
MY01	Mycology Stain (Detection of fungal elements using Lactophenol Cotton Blue stain)	\$30.00	Scabs, swabs, tissue, aspirates, or exudates/4-8 hours

Urinalysis

Urine collected by cystocentesis is preferred. However, free catch and catheterized specimens are also acceptable when not possible or when contraindicated (e.g., bleeding disorder, transitional cell carcinoma).

Code	Test	Fee	Sample Guidance/Est. Turnaround Time
UA01	Complete Urinalysis (Physical, chemical, and microscopic analyses)	\$55.00	Minimum 1ml free-catch, catheterization or cystocentesis urine transferred to leak-proof container/Most species/4-8 hours
UA02	Chemical (strip) Examination only (Physical: Color, clarity, specific gravity, volume and Chemical: pH, protein, glucose, ketones, bilirubin, Hb/blood, SSA)	\$35.00	Minimum 1ml free-catch, catheterization or cystocentesis urine transferred to leak-proof container/Most species/4-8 hours
UA03	Microscopic Examination only (Physical and microscopic examination: RBC, WBC, Epithelial cells, casts, crystals, microorganisms, mucous, fat, spermatozoa)	\$40.00	Minimum 1ml free-catch, catheterization or cystocentesis urine transferred to leak-proof container/Most species/4-8 hours
UA08	Complete Urinalysis with Culture and Sensitivity (Physical, chemical, and microscopic analysis Urine culture: organism ID and sensitivity)	\$187.00	Minimum 1ml free-catch, catheterization or cystocentesis urine transferred to leak-proof container/Most species/2-3 days

Special Diagnostics

Poor sample quality, aged samples, frozen or refrigerated more than 2 weeks old and recent antimicrobial therapy can interfere with results.

Code	Test	Fee	Sample Guidance/Est. Turnaround Time
PCR01	Ehrlichia PCR (Single-step amplification and detection of Ehrlichia canis species using Real-Time PCR™ tests)	\$110.00	Minimum 1ml LT or fresh tissue in a sterile bag/Most species/2 days if submitted on Monday or Wednesday
PCR02	Anaplasma PCR (Single-step amplification and detection of Anaplasma platys species Real-Time PCR™ tests)	\$110.00	Minimum 1ml LT or fresh tissue in a sterile bag/Most species/2 days if submitted on Monday or Wednesday
PCR03	Leptospira PCR (Single-step amplification and detection of only the pathogenic strains of Leptospira species using Real-Time PCR™ tests)	\$110.00	Minimum 1ml LT, tissue in a sterile bag or urine/Most species/2 days if submitted on Monday or Wednesday

Antimicrobial Susceptibility Testing Panels

Gram Positive Sensitivity	Gram Negative Sensitivity	Anaerobic Sensitivity	Yeast Sensitivity
Amikacin	Amikacin	Ampicillin/sublactam 2:1 ratio	Anidulafungin
Amoxicillin/clavulanic acid 2:1 ratio	Amoxicillin/clavulanic acid 2:1 ratio	Amoxicillin/clavulanic acid 2:1 ratio	Amphotericin B
Ampicillin	Ampicillin	Cefotetan	Micafungin
Cefazolin	Cefazolin	Penicillin	Caspofungin
Cefovecin	Cefovecin	Imipenem	5-Flucytosine
Cefpodoxime	Cefpodoxime	Meropenem	Voriconazole
Cefovecin	Ceftazadime	Clindamycin	Itraconazole
Cefpodoxime	Cephalexin	Cefoxitin	Fluconazole
Cephalothin	Chloramphenicol	Metronidazole	
Chloramphenicol	Doxycycline	Chloramphenicol	
Clindamycin	Enrofloxacin	Ampicillin	
Doxycycline	Gentamicin	Piperacillin	
Erythromycin	Imipenem	Tetracycline	
Gentamicin	Marbofloxacin	Mezlocillin	
Imipenem	Orbifloxacin	Peiperacilin/Tazobactam constant 4	
Marbofloxacin	Piperacillin/Tazobactam constant 4		
Minocycline	Pradofloxacin		
Nitrofurantoin	Tetracycline		
Oxacillin + 2% NaCl	Trimethoprim/sulfamethoxazole		
Penicillin			
Pradofloxacin			
Rifampin			
Tetracycline			
Trimethoprim/sulfamethoxazole			
Vancomycin			