

**Research Infrastructure – Faculty of Veterinary Medicine**  
**Research Infrastructure Inventory**

Laboratory Name	Type	Room Code	Coordinator	Research Equipments	Type of Analyses	Disciplines Supported
B6D – Laboratory for Research and Training in Transmissible Diseases of Companion Animals	Teaching-research	028 CLCHC	Senior Lecturer Dr. Degi Ianos	Binocular microscope Optika, Binocular microscope with camera Optika, Tube shaker Heidolph, Precision balance Pioneer, Incubator BMT Incucell 55, Stereoscopic magnifier	Bacterioscopic, Bacteriologic, Analytic	Infectious Diseases, Microbiology, Parasitology
Animal Nutrition Laboratory	Teaching-research	Corp B, Floor 3, Rooms 301-303, 316	Senior Lecturer Dr. Ionela Hotea	Kjeltec 8400/8420 – Protein determination system (Tecator), Soxtec 2055 – Fat extraction system (Soxhlet), Fibertec 2010 – Fibre determination system, Nabertherm B150 – Muffle furnace, Talassi Chemical fume hood, U TEST – Analytical sieve shaker, BINDER Oven – Drying oven, FOSS Cyclotec 1093 – Laboratory mill, BRUKER NIR Analyser (non-functional), BIOTEK ELISA Microplate reader	Crude protein / total nitrogen, Crude fat / total oil, Crude fibre / total fibre, Crude ash / total minerals, Dry matter / moisture, Granulation (cereals & compound feeds), Total chemical composition (NIR), ELISA – antibodies, antigens, mycotoxins	Animal Nutrition, Feed Quality Control
Experimental Units	Research	Experimental Units (CLCHC)	Professor Dr. Hutu Ioan	Equine experimental unit (forge, welder, compressor, trimming kit, loader Weidemann 1355), Ruminant experimental unit (controlled feeding system, calf extractor, cattle crush, electronic scale), Monogastric experimental unit (large/small pens, medicator), Lab animal experimental unit (cages for rats, mice, rabbits, guinea pigs; autoclave)	Primary sample collection, In vivo data collection – equines, ruminants, monogastrics, lab animals	Animal Production, Experimental Biology, Pharmacology
Autolaboratory T CPA	Research	Experimental Units (CLCHC)	Professor Dr. Hutu Ioan	Autolaboratory TM07UEX – NIR analyser (non-functional), Autolaboratory TM07UEX – Milk analysers, Autolaboratory TM07UEX – SCC analyser	Feed composition (NIR), Milk composition, Somatic cell count (SCC)	Animal Production, Dairy Science, Feed Quality
Environmental Autolaboratory	Research	Experimental Units (CLCHC)	Professor Dr. Hutu Ioan	Autolaboratory TM01UEX – portable analysers (O <sub>2</sub> , gases, air currents, humidity, light, noise)	Environmental monitoring – gases, microclimate, noise	Animal Welfare, Farm Environment, Zootechnics
Embryo Transfer Autolaboratory	Research	Experimental Units (CLCHC)	Professor Dr. Mircu Calin	Mobile experimental unit TM05UEX – embryo transfer equipment	Collection, storage and use of semen, oocytes and embryos	Animal Reproduction, Embryo Transfer, Genetics
PA-Proteomics Laboratory	Research	CLCHC + Experimental Units	Professor Dr. Hutu Ioan / Professor Dr. Mircu Calin	PCR Thermocycler, Chip electrophoresis system (nucleic acids & proteins), Microarray scanner	Proteomics, Genomic analysis, Primary sample collection – genetic material	Animal Proteomics, Molecular Genetics, Animal Production
Food Microbiological Risk Surveillance Laboratory –	Teaching-research	CLHC	Assoc. Prof. Dr. Morar Adriana	VITEK 2 Compact – Automated system for bacterial/fungal identification and AST, Lactoscope	Total viable count (TVC), Coliform bacteria (E. coli), Salmonella spp.,	Food Hygiene and Technology,

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Code B2				– Delta instruments, MiniVIDAS Automated Analyzer, Knife Mill Grinder, Blender EASY MIX, Analytical Balance KERN ABJ 220-4NM, Class II Microbiological Safety Cabinet FASTER SafeFAST Top, ARTEGO Binocular Microscope, Electric Drying Oven SL.W53TOP1NOX, Electronic Pipette Controller BRANDT, Incubator 0–100°C – CLN53STD, CO2 Incubator MCO-19AIC(UV)-PE, aCOLyte SuperCount Colony Counter, Culture Media Preparator – MEDIA PREP 10/1710, Portable pH Meter INOLAB 720, Vertical Autoclave MLS-378IL, Automatic Titrator – TITROLINE Easy, Automatic Dilutor – Gravimat 510/130, Classic Vortex Mixer VELP, Lumitester PD-10N, Microfiber Filter, Submersible Water Pump, Thermo Scientific, Dynal Magnetic Particle Concentrator MPC-1, Dynal Magnetic Particle Concentrator MPC-S	Listeria monocytogenes, Staphylococcus aureus, Yeasts and molds, Bacteria and fungi identification, Antibiotic susceptibility testing (AST), Detection of antimicrobial resistance phenotypes, pH determination, Titratable acidity, Milk composition (fat, protein, lactose), ATP hygiene testing, Rapid pathogen detection, Surface contamination assessment	Inspection and Control of Foodstuff of Animal Origin, Veterinary Public Health
Radiological Investigations Laboratory	Research, Teaching-research	C1c/ Building B	Assist. Prof. Dr. Sicoe Bogdan	Siemens Multix Swing single-station radiological installation	X-ray examinations	Radiology and Imaging
Computer Tomography Investigation Laboratory	Research, Teaching-research	C1c/ Building B	Assist. Prof. Dr. Sicoe Bogdan	Siemens Somatom Definition AS64 Computer Tomography Installation	CT examinations	Radiology and Imaging
Pharmacology and Pharmacy Laboratory	Teaching-research	BIRA Building (4th floor, room 405)	Prof. Dr. Cristina T. Romeo, Prof. Dr. Eugenia Dumitrescu	Electromagnetic Sieve Shaker, Tap Density Tester Electrolab ETD-1020, Thermostat POL-EKO, 4-position water bath, Orhaus Adventurer Pro AS214 Analytical Balance, Technical balance	Granulation determination, Powder density determination, Compound extraction, Evaporation, Quantitative analysis	Pharmacology, Pharmacy
Pharmacological and Toxicological Research Laboratory	Teaching-research	CLCHC building (1st floor, rooms 152-154, 157-158)	Prof. Dr. Florin Muselin, Prof. Dr. Eugenia Dumitrescu	Perkin atomic absorption spectrometer, HPLC System YL 9100, Rotavapor Heidolph, Electrolab tablet disintegration tester, Talassi Chemical fume hood, Anton Parr microwave digester, EBA 20 Centrifuge, Magnetic stirrer Flac	Determination of chemical elements (atomic absorption), Determination of chemical compounds (HPLC), Compound extraction, Tablet disintegration time, Sample processing for AAS, Liquid sample processing	Pharmacology, Toxicology
Parasitology and Dermatology Laboratory	Teaching-research	CLCHC building (rooms 121, 123, 036, 047)	Prof. Dr. Ilie Marius Stelian, Prof. Dr. Morariu Sorin, Senior Lecturer Imre Mirela	Magnetic stirrer with heating, Hettich EBA laboratory centrifuge, Centrifuge with hematocrit rotor, Class II microbiological safety cabinet SC2-4A1, Trinocular microscope with camera B353A, GFL inactivation bath, PCR system, Refrigerated centrifuge 2-16PK, Gel documentation system Photodoc-IT, Ultra-low temperature freezers, Fluorescence microscope, ELISA plate washer, ELISA plate reader, Autoclave AH-21-NRAYPA,	PCR analyses, ELISA analyses	Parasitology and Dermatology

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				Ice cube machine, Convection oven, BMT Incucell 55 incubator, Distiller with storage tank, Laminar airflow cabinet, Magnetic stirrer, Thermostat, Non-refrigerated centrifuge Universal 320, Precision analytical balance PL T650-3M, Autopsy kit and autopsy table with wheels, Bactericidal lamp LBA 30W, UFP-400 oven, Otoscopic diagnostic kit, Dermatoscope, Power Pro Ultra hair clipper, Instrument sterilization box, Binocular microscope (x8), Hitachi PM 3000 electron microscope, Nikon microscope, INDELAB inactivation bath, Panasonic MLS3030U autoclave, VELP ZX3 vortex mixer, Leica DM 3000 LED microscope, Skill Base 50 license		
Small Animal Reproduction Laboratory	Teaching-research	CLCHC building (room 057)	Associate Professor Igna Violeta	Fluorescence trinocular microscope with digital camera and cytological analysis software, MVE 20/51 cryogenic storage container, CASA system – Computer-Assisted Semen Analysis (IVOS – Hamilton Thorne Bioscience), Spermacue photometer 220V, Cryoscopic osmometer, Ultraseal manual straw sealing device, Natural convection laboratory incubator BD-53, Cryogenic storage container 20 XCTB, Modular system for gonadal cell preservation, GT9 biological storage container (biocontainer), Laboratory centrifuge, Laboratory water bath, TESTO 735-1 precision thermometer, PICOLO portable pH meter, ROTH laboratory protective goggles, Refrigerator-freezer unit, Cool & Warm insulated transport box (x2)	Microscopic examination in transmitted light and fluorescence; cellular morphometry, Cryopreservation and cryogenic storage of cells and tissues, Sperm parameter analysis (CASA), Sperm concentration analysis, Osmolality analysis of biological solutions, Manual ultrasonic sealing of straws, Sample incubation, Cryopreservation of gonadal cells, Centrifugation, Temperature verification (-200°C), pH measurement	Animal Reproduction
Control of Products of Animal Origin – Practical Classes	Teaching-research	Room 017 – Faculty of Veterinary Medicine	Lecturer Ban-Cucerzan Alexandra	Hettich EBA 20 Centrifuge, Hettich EBA 21 Centrifuge, Refractometer ABBE, T60 UV-VIS Spectrophotometer, Mettler Toledo AB204-S Analytical Balance, Raypa Soxhlet extractor, Drying oven WS-2, Electric water bath, Raypa thermostatic incubator, Screen trichinoscope, ML4IOR binocular microscope, ML4 laboratory microscope with oil immersion, IKA RH Basic 2 magnetic stirrer with heating, WTW portable pH meter with accessories	pH determination, Refractive index measurement, Moisture content determination, Dry matter determination, Ash content determination, Fat content determination, Protein estimation, Quantitative UV-VIS analysis, Detection of Trichinella spp., Microscopic examination of microorganisms, Incubation of microbial cultures	Food Hygiene and Technology, Inspection and Control of Foodstuff of Animal Origin, Veterinary Public Health
Food Hygiene and Public Health Laboratory	Teaching-research	Room 004, Faculty of Veterinary Medicine	Lecturer Ban-Cucerzan Alexandra	Cebo 65 laboratory centrifuge, CM-4 angle centrifuge, Funke Gerber centrifuge with rotor for butyrometers, Lactoscan ultrasonic milk analyzer (IAF), Yogurt and cheese making machine,	Milk fat content determination, Milk composition analysis, Density and solids content estimation, Freezing point determination, Detection of milk	Food Hygiene and Technology, Inspection and Control of

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Laboratory Name	Type	Room Code	Coordinator	Research Equipments	Type of Analyses	Disciplines Supported
				Cryostar Automatic Cryoscope Funke Gerber 7160	adulteration, Cream separation and evaluation, Raw milk quality assessment, Evaluation of fermentation processes, Monitoring of dairy processing parameters	Foodstuff of Animal Origin, Veterinary Public Health
Microbiological Samples Reception	Research	CLHC 233	Tîrziu Emil	Thermostat, Refrigerator	Microbiological sample reception and storage	Microbiology
Inoculation & Incubation	Research	CLHC 234	Tîrziu Emil	Thermostat (x2), Laminar flow biological hood	Microbiological inoculation, Incubation	Microbiology
Reception-Processing Samples	Research	CLHC 235	Tîrziu Emil	Freezer, Dispenser, Thermostat, Vacuum filtration system	Microbiological sample processing	Microbiology
Microbiological Examination	Research	CLHC 237	Tîrziu Emil	Ultra-thermostatic bath, Laboratory balance, Inactivation/Decontamination bath	Microbiological examination, Decontamination	Microbiology
Materials Sterilization	Research	CLHC 238	Tîrziu Emil	Vertical autoclave, Bidistiller	Microbiological sterilization	Microbiology
Glassware Washing	Research	CLHC 239	Tîrziu Emil	Electric ventilated laboratory oven (x2), Vacuum oven, Glassware washer	Microbiological glassware preparation	Microbiology
Microscopy	Research	CLHC 241	Tîrziu Emil	Binocular microscope with integrated digital camera, Thermostat	Microbiological microscopy, Bacterial identification	Microbiology
Cytometry	Research	CLHC 244	Tîrziu Emil	Homogenizer, Colony counter	Microbiological cytometry, Total Plate Count	Immuno-Microbiology
Glassware and Reagents Warehouse	Research	CLHC 245	Tîrziu Emil	Desiccator	Microbiological reagent storage	Microbiology
Serological Examination	Research	CLHC 242	Tîrziu Emil	Large-capacity laboratory shaker, Refrigerator, Microcentrifuge, Ultra-low temperature freezer, pH meter	Serological testing, Sample centrifugation, pH determination	Immuno-Microbiology
Glassware Sterilizing and Medium Preparation	Research	CLHC 247	Tîrziu Emil	Horizontal autoclave, Universal centrifuge, Electric loop incinerator, Micropipettes, Gas burner (x2), Peristaltic pump	Microbiological culture media preparation, Sterilization	Microbiology
Culture Media Preparation and Autoclaving Room	Teaching-research	Room 016, Faculty of Veterinary Medicine	Tîrziu Emil	Autoclave	Microbiological sterilization	Microbiology
Microbiology Laboratory	Teaching-research	Room 018, Faculty of Veterinary Medicine	Tîrziu Emil	Biological microscope (x7), Heating magnetic stirrer for 2L vessel, Colony counter, POL-EKO incubator, Automated hematology analyzer, Mikro 120 centrifuge, POL-EKO SLN53STD laboratory oven, Kern analytical balance, Microbiological safety cabinet (laminar flow hood), Stereo zoom microscope, Trinocular microscope, VITEK system, Complete PCR system	Total Plate Count, Bacterial identification, Bacterial cultivation, Bacterial species determination, Antimicrobial susceptibility testing (AST)	Microbiology
Hygiene Laboratory	Teaching-	Room 012,	Lazarescu	Analytical Balance, NOVA 6 Spectrophotometer,	Physico-chemical parameters of water,	Hygiene

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(Room 012)	research	Faculty of Veterinary Medicine	Cristian	Sterile Fume Hood, Water Analysis Multimeter, Automatic Colony Counter, Trinocular Stereo Microscope, Laboratory Turbidimeter with Accessories	Biochemical parameters of water, Microbiological analysis of water, Air quality parameters, Turbidity and optical measurements, Spectrophotometric water analysis	
Hygiene Laboratory (Room 014)	Teaching-research	Room 014, Faculty of Veterinary Medicine	Lazarescu Cristian	Ultrasonic Bath, BOD Determination Kit (Biochemical Oxygen Demand), Oxygen Meter, Climatic Chamber LHT-3101 UP, Conductivity Meter, Water Analysis Multimeter, SAS Super 100 Air Sampler	Biochemical Oxygen Demand (BOD) determination, Dissolved oxygen measurement, Conductivity measurement of water, Air microbiological sampling, Environmental and climatic exposure testing, General water quality assessment	Hygiene
Laboratory of Functional and Metabolic Explorations	Teaching-research	Rooms 164, 163, 160 CLV/CLHC	Morar Doru	Biochemical Immunoassay Analyzer Skyla, Real Time PCR CFX Duet, Automated Nucleic Acid Purification System BioMagPure 12 Plus, Blood gas analyzer Radiometer ABL9, Coagulometer Coatron X, Microscope ZEISS Primostar3 iLED, Automated multiparameter biochemistry analyzer Rx Daytona+ (Randox), Automated Hematology Analyzer ProCyte Dx, Binocular microscope with integrated digital camera, Urine analyzer, Portable pH meter, ELISA line	Automated biochemistry and immunoassay (glucose, urea, creatinine, AST, ALT, total protein, albumin, cholesterol, triglycerides), Real-time PCR – nucleic acid amplification and quantification, DNA/RNA extraction and purification, Blood gas analysis (pH, pO <sub>2</sub> , pCO <sub>2</sub> , electrolytes), Coagulation tests (PT, APTT, fibrinogen), Brightfield and fluorescence microscopy, Complete blood count (CBC) with 5-part differential and reticulocytes, Urine sediment examination, Semi-quantitative urinalysis (SG, pH, protein, glucose, ketones, bilirubin), ELISA – antibody and antigen detection	Internal Medicine
Serological Research Laboratory for Avian and Swine Diseases (B6a), Immunofluorescence Laboratory (B6b)	Teaching-research	CLHC 138-141	Assoc. Prof. Iancu Ionica	Pioneer PA213 balance, Water bath, Vertical freezer, Laboratory refrigerator, Microcentrifuge 120/200R (x2), UV microscope, Zero client (keyboard, mouse, display), PCR system	Serology, Immunofluorescence, ELISA testing, PCR testing, Antigen detection, Antibody detection	Infectious Diseases
ELISA Laboratory	Teaching-research	Infectious Diseases Building, Room 20	Prof. Herman Viorel	TECAN Austria microplate reader, StatFax semi-automatic plate washer, Biohit eLine automatic pipette 5–120 µL, Biohit eLine automatic pipette 5–1000 µL, Heidolph tube shaker, Memmert incubator INB 00-500, Arctic X386 fridge-freezer, eLine 8-channel pipette 50–1200 µL, Eppendorf tube mini centrifuge (Nahita)	Serology testing, ELISA testing, Antibody detection, Antigen detection, Immunofluorescence assays, Centrifugation and serum separation, Sample incubation	Infectious Diseases
Research Laboratory in	Teaching-	Infectious	Prof. Herman	Autoclave – Raypa model, Spain, Autoclave –	Bacterial culture and isolation, Gram	Infectious

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Bacterial Infectious Diseases	research	Diseases Building, Rooms 027-029	Viorel	AES-75, Raypa, Spain, Analytical balance EG 620-3NM, Kern, Centrifuge 2-16P, Sigma, Laboratory oven Venticell 55, BMT (x2), Monoblock refrigerator Labor 300, Fiocchetti, Biosafety cabinet BSC-EN 1-4, FASTER, CO <sub>2</sub> incubator 3503-2, Uniequip, Stereomicroscope SZM 2, Optika, Microscope with video camera Bio-2T-PL, Optika, Incubator Incucell LSIS/IC 55, BMT, Water bath (inactivation), GFL, Electric boiler – Electrotimiș, Refrigerator Liebherr 300L, Chest freezer Zanussi 300L, CO <sub>2</sub> cylinders (x2)	staining and microscopic examination, Sterility testing, Bacterial growth monitoring, Sample centrifugation and separation, Thermal inactivation assays, Culture media preparation, Colony morphology evaluation, Incubation under CO <sub>2</sub> conditions, Aerobic/anaerobic culture diagnostics	Diseases
IRP – Interdisciplinary Research Platform	Research	TPA, first floor, rooms PCI 01-10	Prof. Dr. Ing. Radulov Isidora	Water bath with 6 stations Memmert, Sand bath with 6 stations Raypa, Homogenizer Blixer 3, Blender Stomacher Easy Mix, Bacteriological hood CL.II HFV 1200, UV Bactericidal lamp, Densitometer McFarland, Clevenger-type apparatus for volatile oils, Thermostats Memmert INB 500 (x2), CO <sub>2</sub> thermostated incubator, Fluorescence stereomicroscope LEICA MZ 10F, Vacuum pump, Anaerostat, Autoclave RAYPA AES 110, Ultrasonic bath 9L AquaWave 9381, Electronic scale SHIMADZU AW220, Autoclavable bioreactor Tryton, Confocal microscope LEICA DM 2500, Rotary evaporator Heidolph, Pelletizing system for FRX analyser, Portable elemental analyser XRF Hitachi, Microwave extractor, GC-MS Shimadzu, LC-MS Shimadzu (quadrupole), HPLC Dionex, Water distillation equipment WASSERLAB, ELISA reader Bio-Rad, UV-VIS spectrophotometer Specord 210, Sample grinder/mill RETSCH GRINDOMIX 200 (x2), Centrifuge with cooling HERMLE, Ultrasonic disaggregator Vibracell, Soxhlet system RAYPA SX-6, Centrifuge EBA 20 HETTICH, pH-meter inoLAB pH 720, Magnetic stirrers with heating Velp, IDL (x2), Water bath with 6 stations, Analytical balance SHIMADZU AW220, Analytical balance KERN PEJ, Non-automated Kjeldahl system Velp with distillation unit UDK 129, Calciner Nabertherm, Drying oven BINDER ED 53	ELISA – antibodies, antigens, mycotoxins, GC-MS – volatile compound identification, LC-MS – liquid compound identification, HPLC – compound separation and quantification, XRF – elemental analysis, UV-VIS spectrophotometry, Microbiological analyses, Sample preparation and weighing, Soxhlet extraction (crude fat), Dry matter / moisture content, Crude ash / total minerals, Total nitrogen and crude protein (Kjeldahl), Nutritional value determination	Interdisciplinary Research
Plastination Laboratory	Teaching-research	Room 040 – FMVT	Lecturer Hulea Călin	Biodur S10 plastination line	Plastinated specimen preparation	Anatomy
Pathology Laboratory	Teaching-research	Room 006-2, FMV	Prof. Dr. Stancu Adrian	Anatomical Pathology Laboratory equipment	Histopathological examinations	Pathology

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Cytology and Histology Laboratory	Teaching-research	Room 407 – FMVT	Assoc. Prof. Brezovan Diana	53L Incubator, Microscope with camera, Microtome, CLW 53 STD thermostat	Histological specimen preparation and examination	Histology
Chemistry, Biochemistry and Molecular Biology Laboratories	Teaching	B309, B310 – FIA+MTA	Lecturer Ing. Boldura Oana Maria	Portable pH meter, Gorenje refrigerator-freezer with two compressors, Analytical balance, Refractometer system, Extraction system, Cylindrical thermostatic bath	pH measurement, Refractometry, Chemical extraction, Thermostatic incubation	Chemistry, Biochemistry, Molecular Biology
Genetics Laboratory	Teaching	031/ Building B	Lecturer Dr. Marc Simona	HERMLE Z364 Centrifuge, BOSCH Refrigeration Unit, ML-4M Teaching Optical Microscope, Vevor microscope, model XSP-36	Cytogenetic analyses, Blood smear examination	Genetics, Animal Reproduction
Cytogenetics and Molecular Genetics Laboratory	Research	X4/IIInd floor/CLCH C	Lecturer Dr. Marc Simona	Gorenje refrigerator, Gorenje freezer, Hettich MIKRO 220R centrifuge, BUNSEN HISTAM PLUS centrifuge, BIOCAMP UV lamp, KERN analytical balance, Eppendorf tube vortex, IKA Vortex4, IKA C-MAG HS7 electric heating and stirring hotplate, Agilent Technologies 6530 mass spectrometry and accessories – Accurate-Mass Q-TOF LC/MS, KERN ACJ/ACS 220-4M analytical balance, IVF heating plate, Minitube HT400, Aspiration pump with accessories, OPU, CRAFT SUCTION UNIT v1.03, BECKMAN COULTER GALLIOS flow cytometer, Laminar flow hood	Cytogenetic analyses, Flow cytometry, Mass spectrometry (Q-TOF LC/MS), In vitro fertilization (IVF) preparation	Animal Reproduction, Genetics, Proteomics
Surgery, Ophthalmology, Microsurgery, Dentistry Laboratory	Mixed	070, 071, 074/ground floor/CLCH C	Assoc. Prof. Dr. Dascalu Roxana	Vacuum support with pump, Scialytic lamp, Ophthalmology instruments, ENT instruments, Dental instruments, Veterinary dental unit, Scaling device, Surgical microscope – fixed station with two stations, Optivision portable surgical microscope, Surgical aspirator, Small animal inhalation anesthesia machines, Kontron vital signs monitor, Leica microtome, Surgical laser, Phacoemulsifier, Tonometer, Retinophotometer, Otoscope-ophthalmoscope, Biomicroscope with video camera	Surgical examination, Ophthalmological investigations (tonometry, retinophotometry, biomicroscopy), Ophthalmic and stomatological surgeries, General surgery	Small Animal Surgery, Anesthesiology
Endoscopic Surgery Laboratory	Mixed	072/ ground floor/CLCH C	Lecturer Dr. Zaha Cristian	Surgical light with integrated video system and image transmission, Video gastroscope set, Laparoscopic surgery kit (trocar, cannula, scissors, forceps), Rigid endoscopy system, Electrosurgical unit, Electrically operated operating table, Surgical aspirator, Cardell vital signs monitor, Narcomplex 3 inhalation anesthesia machine	Rhinoscopy, Gastroscopy, Tracheoscopy, Colonoscopy	Small Animal Surgery, Anesthesiology
Orthopedics and Osteoarticular Reconstruction Laboratory	Mixed	070 CLV/CLCH C	Assist. Prof. Dr. Cojocaru Razvan	Colibri osteosynthesis device	Orthopedic examination, Neurologic examination, Surgical interventions (osteosynthesis)	Small Animal Surgery, Anesthesiology

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Internal Medicine Laboratory	Mixed	017 CLV/CLCH C	Assoc. Prof. Dr. Morar Doru	Color Doppler ultrasound, Computerized electrocardiograph for veterinary use, Doppler blood pressure monitor, Veterinary oscillometer for blood pressure measurement (dogs and cats), Vital signs monitor	Ultrasound examination of internal organs (abdominal and thoracic cavities), ECG recording, Blood pressure measurement (dogs and cats), Vital signs monitoring (dogs and cats)	Internal Medicine
Kinematic Analysis in Large Animals Laboratory	Mixed	035/ ground floor/Building B	Assist. Prof. Dr. Ciresan Alexandru	Mobile horse gait and respiratory analysis stand, Kinematic analysis equipment with specific software and user license, Fixed hydraulic operating table, Mobile electro-hydraulic operating table, Inhalation anesthesia machine for large animals, Horse head protection halter, Halter-type oral speculum, Electric dental planing kit, Vacuum support with pump, Thermograph, UV lamp	Lameness diagnosis, Gait evaluation, Thermographic analysis	Large Animal Surgery
Electrophysiology Laboratory	Mixed	143-146/ CLCHC	Lecturer Dr. Ghișe Alina	Ussing chamber system, Inverted microscope, Water bath with circulator, Stereomicroscope, Laminar flow hood, Laboratory centrifuge without cooling, Magnetic stirrer with heating, Laboratory pH meter, Thermostat, CO2 incubator, Deionized water device, Vortex, Analytical balance max 220g	Measurements of epithelial ion transport, barrier integrity, and permeability under physiological, nutritional, pharmacological, and toxicological conditions	Physiology, Nutrition, Pharmacology, Pathophysiology, Pathology, Toxicology
Physiology Laboratory	Mixed	045-046/ Building B	Lecturer Dr. Mateiu-Petrec Oana	Hematology analyzer Abacus Junior VET 3-PDF-DIATRON, Blood biochemistry analyzer, Oven with thermostat POL-EKO, Analytical balance WPS 110/C/2, Analytical balance Kern, model ABJ220-4M, Small animal anesthesia equipment, Electric surgical table on tripod stand, Platform balance DE 36K 10 NL K, Blood biochemistry analyzer, Urine analyzer	Biochemical blood examination (ALT, AST, ALP, GGT, bilirubin, urea/BUN, creatinine, amylase, calcium, phosphorus, magnesium, total protein, albumin), Hematology analysis (Complete blood count), Urinalysis	Physiology
Physics Laboratory	Mixed	406/ Agronomy building	Lecturer Dr. Petcu Mihaela	UV-Vis spectrophotometer, Centrifuge, Viscometer	Spectrophotometric analysis	Physics
Pathophysiology Laboratory	Mixed	130-135/ CLCHC	Lecturer Dr. Carpinisan Liliana, Lecturer Dr. Mateiu-Petrec Oana	Heating shaker, Analytical balance, Cooling centrifuge, Staining system, Thermostatic water bath, Water distiller, Refrigerator, Respirometry system, Microsurgery aspirator, pH meter, Shaker, Mechanical homogenizer, Hamilton syringes, Automatic pipette set, Pipette controller, Binocular microscopes, Centrifuge, Binocular magnifier	Cellular respiration determination, Haemoleucogram (Complete blood count)	Pathophysiology, Special Pathophysiology
Semiology Laboratory	Mixed	Room 054, FMVT Building	Senior Lecturer Dr. Bochiș Timea	Thermometer, Stethoscope, Reflex hammer, Pleximeter plate, Halters and rope, Oral speculum, Spatula, scissors, forceps	Clinical temperature measurement, Cardiac and respiratory auscultation, Neurological reflex testing, Thoracic percussion, Oral and dental examination, General clinical	Semiology, Clinical Examination

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					examination	
P1.3.0 – Herd Health Management Laboratory	Teaching-research		Professor Dr. Hutu Ioan	Desktop PC system (1), NAS storage station (1), HDD NAS 4 TB storage units (4), UPS battery (1), Mini PC control unit (1), Interactive whiteboard (1), Herd health management software – perpetual license (1), Population analysis software – no annual subscription (1), Digital server software – perpetual license (1), Conferencing software – perpetual license (1), Experimental system for cultivation of bacteria and bacteriophages (1), BRAILLE reading device (4), Didactic materials: Braille-format materials, large-format keyboard, Braille keyboard, interactive boards, special audio headsets, study materials adapted to special needs (1)	Herd health management analysis, Population analysis, Bacteria and bacteriophage cultivation	Herd Health Management, Epidemiology, Animal Production
P1.3.1a – Simulation Vet Rooms	Teaching-research		Senior Lecturer Dr. Zaha Cristian	Rubber flooring (1), Visceral palpation simulator – equine colic (1), Equine radiology simulator (1), Jugular venous puncture simulator (1), Equine gastrointestinal tract simulator (1), Canine resuscitation maneuver simulator (1), Canine castration simulator (22), Canine dental model (1), Surgical hand for large animals (1), Scialytic lamp – fixed (1, dual-arm) and mobile (2) (3), Anesthesia apparatus (2)	Veterinary procedure simulation – equine and canine, Anesthesia training, Surgical training	Veterinary Surgery, Equine Medicine, Anesthesiology
P1.3.1b – Simulation Vet Rooms	Teaching-research		Senior Lecturer Dr. Otavă Gabriel	Holstein cow dystocia simulator (1), Bovine reproduction simulator (1), Bovine theriogenology phantom simulator (without hologram) (1)	Bovine dystocia simulation, Bovine reproduction simulation, Theriogenology training	Theriogenology, Bovine Reproduction, Obstetrics
P1.3.2 – Digital Histo E-School	Teaching-research		Assoc. Prof. Brezovan Diana	Binocular microscope (8), Binocular microscope with 5 objectives (8), LED display monitor (1), Network switch (8), HDMI cables (8), Slide scanner (1)	Digital histological microscopy, Histological slide scanning	Histology, Digital Pathology
P1.3.3 – Digital Morfopat E-School	Teaching-research		Prof. Dr. Stancu Adrian	Binocular microscope (8), Binocular microscope with 5 objectives (8), LED display monitor (1), Network switch (8), HDMI cables (8)	Digital morphopathological microscopy	Morphopathology, Digital Pathology