

UNIVERSAL CALENDAR 2024

Clinical Proficiency, Physico-Chemical Analysis, Hemotherapy, Microbiology and Veterinary Medicine

January							April							July							October						
M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S
1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	
8	9	10	11	12	13	14	8	9	10	11	12	13	14	8	9	10	11	12	13	14	7	8	9	10	11	12	13
15	16	17	18	19	20	21	15	16	17	18	19	20	21	15	16	17	18	19	20	21	14	15	16	17	18	19	20
22	23	24	25	26	27	28	22	23	24	25	26	27	28	22	23	24	25	26	27	28	21	22	23	24	25	26	27
29	30	31					29	30						29	30	31					28	29	30	31			

February							May							August							November							
M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	
			1	2	3	4				1	2	3	4	5				1	2	3	4				1	2	3	
5	6	7	8	9	10	11	6	7	8	9	10	11	12	5	6	7	8	9	10	11	4	5	6	7	8	9	10	
12	13	14	15	16	17	18	13	14	15	16	17	18	19	12	13	14	15	16	17	18	11	12	13	14	15	16	17	
19	20	21	22	23	24	25	20	21	22	23	24	25	26	19	20	21	22	23	24	25	18	19	20	21	22	23	24	
26	27	28	29				27	28	29	30	31			26	27	28	29	30	31	25	26	27	28	29	30			

March							June							September							December						
M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S
				1	2	3						1	2							1							1
4	5	6	7	8	9	10	3	4	5	6	7	8	9	2	3	4	5	6	7	8	2	3	4	5	6	7	8
11	12	13	14	15	16	17	10	11	12	13	14	15	16	9	10	11	12	13	14	15	9	10	11	12	13	14	15
18	19	20	21	22	23	24	17	18	19	20	21	22	23	16	17	18	19	20	21	22	16	17	18	19	20	21	22
25	26	27	28	29	30	31	24	25	26	27	28	29	30	23	24	25	26	27	28	29	23	24	25	26	27	28	29
														30							30	31					

- Clinical
- Hemotherapy
- Microbiology
Physical and Chemical
Analysis
- Clinical
Veterinary

Notices

The Round is sent up to Wednesday of the week hatched¹. Any change in the above prediction will be reported in advance. The default return term for the results are two weeks, except:

- **ONE WEEK** for **Clinical**: Automated Reticulocytes General (I, II and III), Flow Cytometry (I/II, CD34+ and HPN), Osmotic Fragility, HbS: Sickle Test, Automated Hematology, Erythrocyte Sedimentation Rate, Glycated Hemoglobin II and Lamellar Body Count - **Closing Wednesday**. Molecular Biology (HIV: Total Blood and HTLV: Total Blood), RDT - Point of Care (POC) Biochemistry IV and Urinalysis (Biochemistry, Abnormal Elements and Manual Sedimentation and Automation) – **Closing Sunday**.
- **Hemotherapy**: Hemocomponents - part I and Selection of Donors - Closing Wednesday.
- **Veterinary**: Hematology – **Closing Wednesday**.
- **THREE WEEKS** for **Clinical**: Blood Culture for Aerobic Molecular Biology (HBV, HCV, HIV and HTLV), G-Banding Karyotype, Coproculture (I/II), Histocompatibility, Immunohematology, Mycology, Anaerobic Research, Sequencing, Serology (I and II), Parentage Testing and RDT – Point of Care (POC) Anti-HIV.
- **Hemotherapy**: Hemocomponents - part III and NAT
- **Veterinary**: Mycology
- **Microbiology**
- **Physical and chemical analysis**: Tablets
- **NINE WEEKS** for **Clinical**: Mycobacteriology.
- Materials with lower stability will follow on the national shipping date (next week).
- For the issuance of the 2024 Proficiency Certificate, the duration of the program is from the 4th quarter of 2023 to the 3rd quarter 2024.

¹ Months with hatched weeks represent the shipping period for other services.

January
April
July
October

CLINICAL: AFB Bacilloscopy, ANA HEp2, Antiplatelet Drug, Autoimmunity (I to VI), Biochemistry (I to VI), Calprotectin, Circulating Immunocomplexes, Clostridium difficile - Toxin A and B, Coproculture I and II, Coronavirus (SARS-CoV2) Immunology, Coronavirus (SARS-CoV2): Antigen search by automation, Cryptococcus neoformans - Antigen (Liquor and Serum), Cystatin C, Dermatopathology, D-dimer (Qual and Qnt), Diabetes mellitus, Erythrovirus B19 - Antibodies, Fetal Risk Assessment: 1st trimester, Functional Coprology (I/ II), Glucose 6 – Phosphate Dehydrogenase, Hospital Bacteriology, Immunohematology (Anti-A, B and D, Automation, Elution, General, IAI, Phenotyping - Rh and Kell, TAD, and Cross-Exam), Immunohistochemistry: Breast, Lipid Profile, Liquor (I/II/IV Dosages, Cell Count and Automation, Markers (Bone Marrow/Growth Markers - Serum and Urine, Diabetes, Hypertension, and Pre-eclampsia), Microscopy Immunology Syphilis, Molecular Biology (Bordetella, Citrobacter, Coronavirus (SARS-CoV2), Coronavirus (SARS-CoV2): saliva, Enterobacter, Enterococcus and Influenza A and B), Molecular Panel (for Bloodstream Infections and Sepsis, Gastrointestinal Infections; Meningitis and Encephalitis; Respiratory Infections and Pneumonia; STI and Vaginosis), Mycobacteriology², Parasitology I and II (ZNm), Pathological Anatomy, Procalcitonin, Rapid Diagnostic Test (Anti-HBs, Anti-HCV, Anti-HIV, Biochemistry V, Chagas, Chlamydia: antigen, Coronavirus (SARS-CoV2): antigen I and II, HBsAg, Ketone, Immunology Coronavirus (SARS-CoV2), Influenza A and B, Marrow/Growth Markers – Serum, Molecular Biology Coronavirus (SARS-CoV2), Molecular Influenza A and B, Molecular Respiratory Syncytial Virus (RSV), Neutralizing Antibodies Research: Coronavirus (SARS-CoV2), RSV, Syphilis and Tumor Markers I and II), Parentage Testing, Research (Anaerobic, Diphtheria bacillus microscopy, Heinz bodies and Neutralizing Antibodies Research: Coronavirus (SARS-CoV2)), Toxicology (I to X), Saliva, Sequencing (Coronavirus (SARS-CoV2), Detection of Bacterial Genome, Detection of Fungi and Yeasts, Detection of Viral Genome and Neonatal Screening), Serology (I to III), Spectrum, Sperm (Automation, Biochemistry, Manual counting/Vitality, Morphology and Motility), Sweat, Tumor Markers (I to IV), Vitamin C and Widal Reaction.

HEMOTHERAPY: Blood components, Cytomegalovirus, Donor Selection: General, Hemoglobin S, Immunohematology (Automation, Elution, General, IAI, Phenotyping, TAD, Titration Anti-A, Anti-B and Anti-D and Cross-Exam), NAT (I/II), RDT-Point of Care (POC) (Anti-HIV and Donor Selection - Hemoglobin) and Serology (I/II).

MICROBIOLOGY¹: Counting and Research of Environmental Microorganisms, Effluents, Sea Water, Sterile Products, Water (I to VIII), Water for Injection, Water Research and Counting and Legionella sp., Water Research Giardia spp.

PHYSICAL AND CHEMICAL ANALYSIS: Conductivity (I/II), Fuels Ethanol² (I, Conductivity, pH)², Wheat Flour² (Granulometry, Humidity and Total Fat), Honey² (Ashes, Color (Pfund scale), Fiehe and Lund reaction, Free and Total Acidity, Humidity, Hydroxymethylfurfural and pH), Metal Water (II and III), Sugar: Polarization², ORP - Redox Potential², pH, Salt² (Humidity, Iodate and Iodide), Water (Purified and Injectable I and II (TOC), Water and Efluente (Alkalinity, Aluminum, Ammoniacal Nitrogen, Antimony and Thallium, Apparent Color, Bicarbonate, Boron, Calcium, Carbonate, Chloride, CO₂, Copper, DBO, Dissolved Oxygen, DCO, Fluoride, Free Cyanide, Free Residual Chlorine, Hexavalent Chrome, Iron, Manganese, Mercury, Nitrogen (Nitrate), Nitrogen (Nitrite), Oils and Fats, Orthophosphate, Salinity, Settleable Solids, Silica, Silver, Sulfate, Sulfide, Sulphite, Surfactant, Suspended Solids, Total and Fixed Solids, Tin, Total Chrome, Total Dissolved Solids, Total Phenol, Toluene and Toughness) and Turbidity.

February
May
August
November

CLINICAL: Antigen HLA-B27², Anti-Xa Activity, Bacteriology Ambulatory, Bacterioscopy GRAM, Biochemistry-Amniotic Fluid, Blood Culture for Aerobic, Brucellosis, Cardiac Markers (I, II and BNP Automation), Chlamydia trachomatis, Cryoglobulins, Culture of Epidemiological Surveillance (Detection of carbapenemases/ESBL/GBS/ MRSA/ORSA and VRE), Dosage of Galactomannan, Giardia antigen, Gynecological Cytopathology and Non-gynecological (Liquids and Erushed and PAAF), Hemoglobinopathies, Histocompatibility, HIV and HTLV Research Liquor, Human Papillomavirus (HPV), Hormones (I to V), Immunology (Anticardiolipin, Antiphospholipid antibodies, ASO Qual/Qnt, Anti-HAV, Anti-HBc, Anti-TPO, Anti-CCP, Aspergillosis, Bartonella henselae, Borrelia burgdorferi, Chikungunya, CMV, Epstein Barr, Hantavirus, Helicobacter Pylori, Herpes, Histoplasmosis, Leptospirosis, Measles, Mumps, Mycobacterium tuberculosis (IFN-gamma), Paracoccidioidomycosis, PCR Qual/Qnt, Rheumatoid Factor Qual/Qnt, Rubella, Syphilis, Toxoplasmosis, Varicella-Zoster, Yellow fever and Zika), Immunology Liquid (Cysticercosis, Cytomegalovirus, Herpes and Toxoplasmosis), Interleukin, Karyotype - G-band² (Constitutional, Fetal and Tumor), Lamellar Body Count, Manual and Hematology Automation (I/II/IV/V), Molecular Biology (Adenovirus, Apolipoprotein E, BK and JC Polyomavirus, Chagas, Chikungunya, Dengue, Enterovirus, Escherichia coli, Giardia sp., HBV, HCV, HIV, HIV: Total Blood, HTLV and HTLV: Total Blood, Leptospirosis, Mycobacterium tuberculosis, Streptococcus group A, Yellow fever and Zika Virus (Serum/Urine)), Molecular Epidemiological Surveillance (ERC, ESBL, GBS, MRSA and VRE), Mutation Research (Factor V Leiden, Janus kinase 2 (JAK-2), MTHRF and Prothrombin), Mycology, Mycoplasma pneumoniae, Myelogram, Neisseria gonorrhoeae (Culture and Molecular Diagnosis), PCR Cardiac, RDT - Point of Care (POC) (BNP, Complex M. tuberculosis: antigen, Heart Panel, Hormones, Hormones (AMH), Immunology Yellow Fever, Lactoferrin, Legionella pneumophila: antigen, Troponin I Qualitative and Troponin T), Neonatal Screening (I, Acylcarnitine Profile, Amino acids, Biotinidase, Chagas, Cytomegalovirus, Galactose, G6PD, HIV, Lysosomal Diseases, MCAD Deficiency, Rubella and Toxoplasmosis), Research (Dysmorphism, Eosinophils (Feces, Nasal Mucus and Urine) and Pneumocystis jirovecii – microscopy), Risk of Renal Calculus, Serum Calprotectin, Thromboelastogram and Urine Culture.

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CLINICAL: Flow Cytometry (I/II, CD34+ and HPN).

VETERINARIA: Anaerobic Research, Asymmetric Dimethylarginine, Bacteriology, Bacterioscopy GRAM, Biochemistry I/II, Bovine Leucosis, Brucellosis (bovine), Canine Immunohematology, Cardiac Markers: NT-proBNP, Coagulation, Cytology, D-Dimer Canine, Equine Infectious Anemia, Gasobio, Glanders (Elisa and FC), Glycated Hemoglobin, Hematology: Canine (I to IV), Equine and Feline (I to VI), Hematoscopy/Hemoparasitology, Hemoculture, Hormones, Hidden Blood, Immunology (Canine Distemper, Canine Ehrlichiosis and Canine Parvovirus), Molecular Biology (Adenovirus, Bordetella, *Campylobacter*, *Clostridium*, Coronavirus (SARS-CoV2), *Cryptococcus*, *Giardia spp.*, Leptospirosis, Monkeypox (MPX), *Mycobacterium tuberculosis*, *Salmonella* and *Toxoplasma gondii*), Mycology, Parasitology, RDT Biochemistry, RDT Coagulation: Canine, RDT Glucose, Research of antigen (Adenovirus, Giardia and Rotavirus), Reticulocytes, Scabies, Somatic Cell Count (microscopy), Veterinary Pathological Anatomy, Visceral Leishmaniasis Canine and Urinalysis (Biochemistry I and II, Abnormal Elements and Sedimentology).

PHYSICAL AND CHEMICAL ANALYSIS: Acid/Base Titration, Alcoholic Beverages: Wine², Density I/II, Dynamic Viscosity, Fluid Milk (Stability to Ethanol, Identification of Starch, Chlorides, Chlorine/Hypochlorite, Formaldehyde, Alkaline Phosphatase, Neutralizers, Sucrose, Hydrogen Peroxide and Peroxidase), Humidity I/II, Melting Point, Refractometry and Tablets² (Acetylsalicylic acid, Atenolol, Hydrochlorothiazide, Mebendazole, Nimesulide, Paracetamol, Physical Tests and Sodium Dipyrone).

March
June
September
December

CLINICAL: Adenovirus, Allergies (I to IX), Amino Acids (Plasma and Urine), Anemia, Bordetella sp. Culture, Catecholamines, Cavity Fluids (Biochemical, Cell Count on camera and Automation and Immunology), Cells LE Research, Coagulation (I to V), Dengue, Dengue NS1, Drugs of Abuse (urine RDT and Automation, Hair and saliva), Ethanol Metabolite (Hair/Urine), Immunosuppressive Drugs (I/II), Therapeutic Drugs (I/II/III), Fetal Sexing, Gasobio and Gasobio: Hematocrit, Gasometry, Glycated Hemoglobin (I, II and III), HbS: Falcization Testing, *Helicobacter pylori* (general and urease), Hematoscopy I and II, Hemochromatosis: Mutation Research, Hemoglobin H Research, Hemoparasitology, Hemosedimentation (Alifax, General I, II, III and IV), Immunofixation of Proteins (serum and urine), Immunoproteins (I/II), Indican Test, *Legionella pneumophila*: Culture, Leprosy, Manual Sediment and Automation) Meningitis Panel, Molecular Biology (*Acinetobacter baumannii*, *Aspergillus spp.*, *Campylobacter*, *Candida*, CMV, *Clostridium Difficile*, Epstein-Barr, Erythrovirus B19, Herpes Virus, *Klebsiella*, *Legionella*, Mayaro, *Mycoplasma pneumoniae*, *Salmonella*, *Staphylococcus*, *Sporothrix schenckii*, *Toxoplasma gondii* and *Varicella-Zoster*), Molecular Diagnostics (*Chlamydia trachomatis* and *Clostridium difficile*: antigen), Neonatal bilirubin, Norovirus, Occult Blood, Osmotic Fragility, Oximetry, Platelet Aggregation I and II, Porphobilinogen, Porphyrins, Premature Rupture of Membranes: Fern Test, Protein Electrophoresis, Q10 Coenzyme, RDT-Point of Care (POC) (Biochemical I, II III (HDL) and IV, Biochemistry Urine, Coagulation I and II, Ethanol Metabolite - Urine Glucose, HCG, Premature Rupture of Membranes and *Streptococcus* group A), Renal Calculus, Research on Reducing Substances, Reticulocytes (Automation General I, II and III, Manual and Sysmex), Rotavirus, Serology V, Sinovial Liquid: Crystals Identification, Specific Proteins, Urinalysis (Biochemical, Special Biochemical, Abnormal Elements (EA)), Visceral Leishmaniasis and Vitamin K.

MICROBIOLOGY: Coffees, Teas and Infusion Products, Cosmetics, Food (General, Flour Similar, Meat products I and II and Milk and Derivatives), Medicines, Molecular Biology Coronavirus (SARS-CoV2): food and Non-Alcoholic Beverages.

PHYSICAL AND CHEMICAL ANALYSIS: Fish² (Ammonia Test, Histamine and Sulfidic Gas Test), Fluid Milk (I to IV), Fruit Juice² (Ascorbic Acid, Density, pH, Soluble Solids (°Brix), Sorbitol, Total Sugars and Total Titratable Acidity), Meat Products (I, III, IV, VI and VII), Meat Products: Starch and Carbohydrates and Qualitative Starch, Milk Powder, Oils and Fats (Determination of Soaps, Kreis Reaction, Acidity Index, Iodine, Peroxides, Refractive Index and Saponification)², Olive Oil: Specific Extinction, Oral Solution² (Dipyrone Sodium and Paracetamol), Quantitative Milk Somatic Cell Count (Microscopy), Sanitation: Sanitary Water² and Tests Limits I/II².

²Program sent biannually: Antigen HLA-B27, Karyotype G-banding, and Tablets in May and November. Flour, Fuels, Honey, Mycobacteriology, ORP – Potential and Salt in January and July. Alcoholic Beverages: Wine, in February and August. Sugar in April and October. Limit Tests, Fish, Foods I and Oral Solution in June and December. Foods II, Fruit Juice, Meat Products Qualitative Starch and Starch and Carbohydrates, Oils and Fats and Sanitation in March and September.

Parceiros

