

Defined Parameters	Name, type, brand, manufacturer, serial and inventory numbers	Main technical characteristics of IO	Year of commissioning	Note
CELL LABORATORY EQUIPMENT				
1	2	3	4	5
Designed for indirect immunofluorescence analysis with quantification and staining of γ -H2AX and 53BP1 in lymphocytes (obtained from whole blood). Makes visible double-stranded DNA breaks and then automatically analyze them.	Enzyme-linked immunosorbent analyzer (ELISA) AKLIDES NukHumanLymphocyteCompletCombi	Modular system: Fully automated Motorized fluorescent Olympus IX 83 microscope with 3 lenses Screen test results after 15 seconds LED light source (4 wavelengths) X-Y motorized table for 5 slides High quality camera The picture of sample in the live mode AKLIDES®	MEDIPAN GmbH, Germany (Berlin), 2017	
It is intended for determination of phagocytic activity (capture of fluorochrome-labeled, determination of intracellular cytokines, determination of intracellular proteins, determination of proliferative activity, cell cycle research, assessment of cell cytotoxicity	Flow Cytometer BeckmanCoulterNavois 10/3 , (3 lasers 10 colors, computer with software for Windows 7, serial number 52103 241791746	blue semiconductor diode laser, 488 nm, output power 22 mW; - red semiconductor diode laser, 638 nm, output power 25 mW; violet semiconductor diode laser, 405 nm, output power 40 mW (option), blue laser: 526 nm / 40, 575 nm / 30, 620 nm / 30, 675 nm / 20, 695 nm / 30, red laser: 660 nm / 20, 725 nm / 20, 755 LP, violet laser: 450 nm / 40, 550 nm / 40	Production of Ireland: No. 52103, 2017 year	
Designed for observation and morphological studies of drugs in transmitted light	Binocular microscope BIOMED , No. 24130002984 Russia	Magnification, fold: 40x-1600x * Nozzle: Binocular Turret: 4 positions for lenses (from the observer) Lenses: Achromats: 4x0.1 10x0.25 40x0.65 100x1.25MI	24130002984	

		Wide-field eyepieces: WF10x / 18mm, WF16x / 12mm * Linear field of view: 18 mm Subject table: With two-axis motion of the drug Condenser: With iris diaphragm, Abbe system NA1.25, Illuminator: Dimming lamp Light source: Halogen lamp 6 V 20 W Current source: 220 volt Overall dimensions: 325x230x440 mm Weight: 5 kg		
Designed to separate solutions into fractions. The rotor is equipped with removable adapters for Eppendorf tubes and is closed by a lid that locks during centrifuge operation.	Centrifuge Eppendorf AG22331 Hamburg series 5805DG265249 Hamburg 2014	According to the level of electrical safety, it belongs to class I type H Maximum speed, rpm - 5000 (4500g); maximum capacity, ml - 4 × 100; cover for aerosol tight centrifugation (option).	Germany (Hamburg), 2014	
The device provides the possibility of simultaneous vortexing and separation of samples using vortexing and centrifugation modules located on a single spin module.	Mivot Mixer- Vortex Mixer No. TP710082010	Rotor Speed-2400; 3000 rpm; acceleration time-5s; continuous operation time 1 hour; R-1.5 for 12x1.5 microtubes; R-0.5 / 0.2 for 12x0.2 ml and 12x0.5 ml microtubes	2015	
Designed to create rotational fluid movements in test tubes and laboratory glassware	Shaker SK-O180-Pro, catalog №832010038888	200-240W power 530 W, Type of mixing, speed range 100-800 rpm.	2015	-
The pipette is designed for volumetric dosing of samples of biofluids and reagents used in the practice of medical research, using disposable tips.	Mechanical pipettes 1-channel variable volume Sartorius 1-5 ml	1000-5000 µl pipette mass 120g; maximum dimensions of the pipette 265x58x24mm	2017	
The pipette is designed for volumetric dosing of samples of biofluids and reagents used in the practice of medical research, using disposable tips.	Mechanical pipettes 1-channel variable volume Sartorius 100-1000 µl	1000-5000 µl pipette mass 120g; maximum dimensions of the pipette 265x58x24mm	2017	

The pipette is designed for volumetric dosing of samples of biofluids and reagents used in the practice of medical research, using disposable tips.	Mechanical pipettes 1-channel variable volume Sartorius 20-200 µl	20-200 µl; pipette mass 120g; maximum dimensions of the pipette 265x58x24mm	2017	
The pipette is designed for volumetric dosing of samples of biofluids and reagents used in the practice of medical research, using disposable tips.	Mechanical pipettes 1-channel variable volume Sartorius 5-50 µl	5-50 µl pipette mass 120g; maximum dimensions of the pipette 265x58x24mm	2017	
The pipette is designed for volumetric dosing of samples of biofluids and reagents used in the practice of medical research, using disposable tips.	Дозатор пипеточный ДПОП-1-1-10 Thermo 1-10 мкл, каталожный номер 4640012	1-10 µl pipette mass 120g; maximum dimensions of the pipette 265x58x24mm	2017	
For storing food, preparing food ice and cooling drinks at an ambient temperature of 16 ⁰ C to 32 ⁰ C.	Fridge with freezer Biryusa 122 JSC "KFF Biryusa" Russia Krasnoyarsk Cat.No. 241782068		2010	
For storing food, preparing food ice and cooling drinks at an ambient temperature of 16 ⁰ C to 32 ⁰ C.	Fridge Biryusa 20 JSC "KFF Biryusa" Russia Krasnoyarsk Cat.№24150006646		2012	
EQUIPMENT OF THE LABORATORY OF MOLECULAR BIOLOGY SPC				
Designed to measure the concentration of DNA, RNA and proteins	Programmable photometer-fluorimeter-chemiluminometer with a multifunctional tablet for measuring the concentration of DNA, RNA and proteins, BioTekInstruments Inc., USA serial number 19040210 Part Number 241800404	Multifunctional photometer for microplate with accessories. Equipment for measuring luminescence, fluorescence and absorption with the possibility of incubation up to 50 degrees. C, with linear and orbital shaking functions. Included is a laptop-based control station with software in Russian.	2018/2019	

		<p>Detection modes include reading the intensity of fluorescence over the well, the optical density in the UV and visible spectral regions, and luminescence.</p> <p>The following modules are included in this modification:</p> <ul style="list-style-type: none">* SLX - "Base" (*), which includes the following features<ul style="list-style-type: none">- Linear, orbital, double orbital shaking.- Software Gen5.* F - Module for measuring the intensity of fluorescence (above) and luminescence (above) <p>Sensitivity: 2 pMFluorescein, 320-700 nm and 10 amol ATP</p> <p>By default, a filter cube for luminescence is included.</p> <p>Fluorescence filters must be purchased separately.</p> <ul style="list-style-type: none">* A - Module for measuring optical density in the UV-visible region of the spectrum. <p>The choice of wavelength is a monochromator.</p>		
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		200-999 nm in increments of 1 nm		
Designed for mixing samples.	Vortex, Bio-Rad Laboratories, Inc, USA. VORTEXER BR2000 EUROPE with tube adapter for large volumes No. 1660611 Part number 241800406	Speed control: 0 to 3000 rpm Overall dimensions 14x16x12 cm Weight 2.2 kg Electrical Specifications 120V, 60Hz, 0.6A 230V, 50 Hz, 0.3A	2019	
Designed for blotting	Shaker MINI ROCKER 1660720, Bio-Rad Laboratories, Inc, USA. Part number 241800407	230 V, three-dimensional swinging platform for staining and disintegrating gels, as well as a blotting platform for four 8 x 10 cm boards or two 10 x 20 cm blotting boxes	2019	
Designed for sterilization with water saturated steam	Automatic steam sterilizer with a choice of sterilization modes VKA-75-P-PZ Serial number 295 Part number 241800405	"Chamber volume - 75 l. Power consumed by the sterilizer, kW, not more than 6.5. Mass, kg, not more than 130. Set temperature conditions - 121 ° C - 8 min, 121 ° C - 12 min. The volume of distilled water poured when the sterilizer is first started, l - 35 Sterilizer heating time, no more, min - 45 Maximum working pressure in the sterilization chamber, MPa - 0.11 Accuracy of maintaining the pressure in the chamber, MPa - +/- 0.01 Continuous operation time no more, hours a day - 16 MTBF, cycles - 1000 Control method of the sterilizer - automatic	2019	
Designed for pipetting liquids, setting volume, mixing liquids, filling plates, gels and reaction tubes, phase extraction and removal of	Laboratory mechanical single-channel pipette ResearchPlus 0.1-2.5 µl Eppendorf AG,	The pipette is highly resistant to temperature, acids and alkalis, mold, bleaches, as well as aging, sunlight and	/2019	

supernatant	<p>Germany Serial number No. K22215C</p>	<p>abrasion. It absorbs solvents only in small quantities and is resistant to dyes.</p> <p>Main characteristics:</p> <ul style="list-style-type: none"> • Easy volume setting; • The dispensing button is easily pressed, has a color indication of the pipette volume, has an ergonomic design; • The tip reset button is easy to press and has an ergonomic design; • Volume indicator 4-digit with a magnifier; • EppendorfPerfectPiston - special easy system of the piston made of plastic Fortron; • The lower part of the pipette is easily removed; • The adjustment indicator is convenient for adjusting the pipette for specific liquids and volumes; <p>The cone of the pipette has an ergonomic design, which allows you to tightly and accurately put on the tip (except for pipettes for 5ml and 10ml);</p>		
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<p>Designed for pipetting liquids, setting volume, mixing liquids, filling plates, gels and reaction tubes, phase extraction and removal of supernatant</p>	<p>Laboratory mechanical single-channel pipette ResearchPlus 0.1-2.5 µl Eppendorf AG, Germany Serial number No. K22383C</p>	<p>The pipette is highly resistant to temperature, acids and alkalis, mold, bleaches, as well as aging, sunlight and abrasion. It absorbs solvents only in small quantities and is resistant to dyes.</p> <p>Main characteristics:</p> <ul style="list-style-type: none"> • Easy volume setting; • The dispensing button is easily pressed, has a color indication of the pipette volume, has an ergonomic design; • The tip reset button is easy to press and has an ergonomic design; • Volume indicator 4-digit with a magnifier; • Eppendorf PerfectPiston - special easy system of the piston made of plastic Fortron; • The lower part of the pipette is easily removed; • The adjustment indicator is convenient for adjusting the pipette for specific liquids and volumes; • The cone of the pipette has an ergonomic design, which allows you to 	<p>/2019</p>	
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		tightly and accurately put on the tip (except for pipettes for 5ml and 10ml);		
Designed for pipetting liquids, setting volume, mixing liquids, filling plates, gels and reaction tubes, phase extraction and removal of supernatant	Laboratory mechanical single-channel variable volume pipette ResearchPlus 20-200 µl company Eppendorf AG, Germany Serial Number G14238C	<p>The pipette is highly resistant to temperature, acids and alkalis, mold, bleaches, as well as aging, sunlight and abrasion. It absorbs solvents only in small quantities and is resistant to dyes.</p> <p>Main characteristics:</p> <ul style="list-style-type: none"> • Easy volume setting; • The dispensing button is easily pressed, has a color indication of the pipette volume, has an ergonomic design; • The tip reset button is easy to press and has an ergonomic design; • Volume indicator 4-digit with a magnifier; • EppendorfPerfectPiston - special easy system of the piston made of plastic Fortron; • The lower part of the pipette is easily removed; • The adjustment indicator is convenient for adjusting the pipette for specific liquids and volumes; 	/2019	

		<ul style="list-style-type: none"> • The cone of the pipette has an ergonomic design, which allows you to tightly and accurately put on the tip (except for pipettes for 5ml and 10ml); 		
<p>Designed for pipetting liquids, setting volume, mixing liquids, filling plates, gels and reaction tubes, phase extraction and removal of supernatant</p>	<p>Laboratory mechanical single-channel variable volume pipette ResearchPlus 20-200 µl company Eppendorf AG, Germany</p> <p>Serial Number G14278C</p>	<p>The pipette is highly resistant to temperature, acids and alkalis, mold, bleaches, as well as aging, sunlight and abrasion. It absorbs solvents only in small quantities and is resistant to dyes.</p> <p>Main characteristics:</p> <ul style="list-style-type: none"> • Easy volume setting; • The dispensing button is easily pressed, has a color indication of the pipette volume, has an ergonomic design; • The tip reset button is easy to press and has an ergonomic design; • Volume indicator 4-digit with a magnifier; • EppendorfPerfectPiston - special easy system of the piston made of plastic Fortron; • The lower part of the pipette is easily removed; • The adjustment indicator is convenient for adjusting the pipette for specific liquids 	<p>/2019</p>	

		<p>and volumes;</p> <ul style="list-style-type: none"> The cone of the pipette has an ergonomic design, which allows you to tightly and accurately put on the tip (except for pipettes for 5ml and 10ml); 		
<p>Designed for pipetting liquids, setting volume, mixing liquids, filling plates, gels and reaction tubes, phase extraction and removal of supernatant</p>	<p>Laboratory mechanical single-channel variable volume pipette ResearchPlus 20-20 µl company Eppendorf AG, Germany</p> <p>Serial Number № O45507H</p>	<p>The pipette is highly resistant to temperature, acids and alkalis, mold, bleaches, as well as aging, sunlight and abrasion. It absorbs solvents only in small quantities and is resistant to dyes.</p> <p>Main characteristics:</p> <ul style="list-style-type: none"> Easy volume setting; The dispensing button is easily pressed, has a color indication of the pipette volume, has an ergonomic design; The tip reset button is easy to press and has an ergonomic design; Volume indicator 4-digit with a magnifier; EppendorfPerfectPiston - special easy system of the piston made of plastic Fortron; The lower part of the pipette is easily removed; 	/2019	

		<ul style="list-style-type: none"> • The adjustment indicator is convenient for adjusting the pipette for specific liquids and volumes; • The cone of the pipette has an ergonomic design, which allows you to tightly and accurately put on the tip (except for pipettes for 5ml and 10ml); 		
Designed for pipetting liquids, setting volume, mixing liquids, filling plates, gels and reaction tubes, phase extraction and removal of supernatant	<p>Laboratory mechanical single-channel variable volume pipette ResearchPlus 20-20 µl company Eppendorf AG, Germany</p> <p>Serial Number № O45620H</p>	<p>The pipette is highly resistant to temperature, acids and alkalis, mold, bleaches, as well as aging, sunlight and abrasion. It absorbs solvents only in small quantities and is resistant to dyes.</p> <p>Main characteristics:</p> <ul style="list-style-type: none"> • Easy volume setting; • The dispensing button is easily pressed, has a color indication of the pipette volume, has an ergonomic design; • The tip reset button is easy to press and has an ergonomic design; • Volume indicator 4-digit with a magnifier; • EppendorfPerfectPiston - special easy system of the piston made of plastic Fortron; • The lower part of the pipette is easily 	/2019	

		<p>removed;</p> <ul style="list-style-type: none"> • The adjustment indicator is convenient for adjusting the pipette for specific liquids and volumes; • The cone of the pipette has an ergonomic design, which allows you to tightly and accurately put on the tip (except for pipettes for 5ml and 10ml); 		
<p>Designed for pipetting liquids, setting volume, mixing liquids, filling plates, gels and reaction tubes, phase extraction and removal of supernatant</p>	<p>Laboratory mechanical single-channel variable volume pipette ResearchPlus 100-1000 µl company Eppendorf AG, Germany</p> <p>Serial Number № J42375I</p>	<p>The pipette is highly resistant to temperature, acids and alkalis, mold, bleaches, as well as aging, sunlight and abrasion. It absorbs solvents only in small quantities and is resistant to dyes.</p> <p>Main characteristics:</p> <ul style="list-style-type: none"> • Easy volume setting; • The dispensing button is easily pressed, has a color indication of the pipette volume, has an ergonomic design; • The tip reset button is easy to press and has an ergonomic design; • Volume indicator 4-digit with a magnifier; • EppendorfPerfectPiston - special easy system of the piston made of plastic 	<p>/2019</p>	

		<p>Fortron;</p> <ul style="list-style-type: none"> • The lower part of the pipette is easily removed; • The adjustment indicator is convenient for adjusting the pipette for specific liquids and volumes; • The cone of the pipette has an ergonomic design, which allows you to tightly and accurately put on the tip (except for pipettes for 5ml and 10ml); 		
<p>Designed for pipetting liquids, setting volume, mixing liquids, filling plates, gels and reaction tubes, phase extraction and removal of supernatant</p>	<p>Laboratory mechanical single-channel variable volume pipette ResearchPlus 100-1000 µl company Eppendorf AG, Germany</p> <p>Serial Number № J42381I</p>	<p>The pipette is highly resistant to temperature, acids and alkalis, mold, bleaches, as well as aging, sunlight and abrasion. It absorbs solvents only in small quantities and is resistant to dyes.</p> <p>Main characteristics:</p> <ul style="list-style-type: none"> • Easy volume setting; • The dispensing button is easily pressed, has a color indication of the pipette volume, has an ergonomic design; • The tip reset button is easy to press and has an ergonomic design; • Volume indicator 4-digit with a magnifier; 	/2019	

		<ul style="list-style-type: none"> • EppendorfPerfectPiston - special easy system of the piston made of plastic Fortron; • The lower part of the pipette is easily removed; • The adjustment indicator is convenient for adjusting the pipette for specific liquids and volumes; • The cone of the pipette has an ergonomic design, which allows you to tightly and accurately put on the tip (except for pipettes for 5ml and 10ml); 		
EQUIPMENT OF THE MOLECULAR GENETIC LABORATORY				
Designed for polymerase chain reaction (PCR) with the detection of the accumulation of PCR products during amplification using test systems based on the principles of fluorescence detection.	Amplifier detecting Type DT-332; LLC RPA DNA-Technology. RF, Moscow Region, Protvino; certified in accordance with the standards of State Standard R 51318.22-99 class A and State Standard12.2.025-76. serial number No. A4VD08. Inventory №24130003850	Thermoblock format 32 test tubes per 0.2 ml (8x4); the temperature range of thermoblock is 4 ... 99 ° C; the heating rate of the thermoblock is 4 ... 99 3 ° C / s; the Peltier element; excitation source - LED; the number of channels -2;	2008/ 2008	
Designed for polymerase chain reaction (PCR) with the detection of the accumulation of PCR products during amplification using test systems	Amplifier detecting Type DTprime-4M1; LLC RPA DNA-Technology. RF, Moscow	Thermoblock format 96 test tubes per 0.2 ml (12x8); the temperature range of thermoblock is 0 ... 100 ° C; the heating	2015 /2015	

based on the principles of fluorescence detection.	Region, Protvino; Certified in accordance with TU9443-004-96301278-2010. serial number No. A5D409 Inventory №241711642	rate of the thermoblock is 4 ... 99 3 ° C / s; the Peltier element; excitation source - LED; the number of channels -5;		
Designed to maintain a predetermined temperature (as well as a temperature change in accordance with a given program) of the matrix, in the nests of which tubes with the reaction mixture are installed.	Thermostat solid-state programmable small-sized TT1 "Gnome" "DNA-Technology", Protvino; serial number No.TIW-535 Inv.No. 24130003850	The number of tubes "Eppendorf": 1.5ml-40; 0.5ml-28; temperature range: up to 99 ° C; temperature accuracy: 0.5 ° C	2008/ 2008	
The desktop cabinet model for PCR work has been developed for use in DNA analysis, genetic engineering, and molecular biology laboratories.	Cabinet for PCR works UVC / T-M-AR LLC BioSan, Latvia, LV-1067; serial number No. 840809016. Version 11 Inv.No. 24130003850	UV lamp-TUV-15W, type of radiation - ultraviolet 254nm, without ozone; daylight lamp -15W; UV exposure timer - 0-24h; operating voltage -230V, 50Hz, 70W or 115V, 60Hz, 70W.	2008/ 2008	
Designed to separate solutions into fractions. The rotor is equipped with removable adapters for Eppendorf tubes and is closed by a lid that locks during centrifuge operation.	Centrifuge SM-50 Latvia, Riga, LV-1006, ELMI, Serial Number No. 811731 Inv.No. 24130003850	According to the level of electrical safety, it belongs to class I type H according to State Standard 12.2.025; the number of tubes in the rotor-12pcs; rotor rotation speed rpm from 1000 to 16000; timer range from 1 to 99min; braking system - three-stage, switchable operating	2008/ 2008	

		temperature range from +10 to + 45 ° C;		
The device provides the possibility of simultaneous vortexing and separation of samples using vortexing and centrifugation modules located on a single spin module.	Centrifuge “Fugue / vortex micro-spin FV-2400” LLC “BioSan”, Latvia, LV-1067; serial number No. 500808009. Version 6. Inv.No. 24130003850	Rotor Speed-2400; 3000 rpm; acceleration time-5s; continuous operation time 1 hour; R-1.5 for 12x1.5 microtubes; R-0.5 / 0.2 for 12x0.2 ml and 12x0.5 ml microtubes	2008/ 2008	
The device provides the possibility of simultaneous vortexing and separation of samples using vortexing and centrifugation modules located on a single spin module.	Centrifuge “Fugue / vortex micro-spin FV-2400” LLC “BioSan”, Latvia, LV-1067; serial number No. 500808009. Version 6. Inv.No. 24130003850	Rotor Speed-2400; 3000 rpm; acceleration time-5s; continuous operation time 1 hour; R-1.5 for 12x1.5 microtubes; R-0.5 / 0.2 for 12x0.2 ml and 12x0.5 ml microtubes	2008 /2008	
Box is designed to protect the operator when working with pathogenic agents and microorganisms transmitted by airborne droplets, as well as to create an abacterial air environment with specified parameters in a limited space.	Abacterial air environment box. Type BAVP-01- "Laminar-S" 1,2 (01). CJSC “Laminar Systems”. Factory number 220120839. Inv.No. 24130003850	HEPA filter according to State Standard R 51251-99-H 14, bactericidal lamp 30W, II A protection class, air purification degree - 99.9%	2008/ 2008	
For measuring relative humidity and air temperature.	Hygrometer psychometric. Type VIT-2. R. Ukraine JSC "Steklopribor". Factory number	Range of measurement of relative humidity: from 54 to 90%, from 40 to 90%, from 20 to 90%; temperature range: from 20 to 23 ⁰ C, from 23 to 26 ⁰ C, from 26	2015/2015	

	962 Inv.№005	to 40 ⁰ C; temperature measurement range: from 15 to 40 ⁰ C Aspiration speed from 0.5 to 1.0 m / s		
For measuring relative humidity and air temperature.	Hygrometer psychometric. Type VIT-2. R. Ukraine JSC "Steklopribor". Factory number 963 Inv.№006	Range of measurement of relative humidity: from 54 to 90%, from 40 to 90%, from 20 to 90%; temperature range: from 20 to 23 ⁰ C, from 23 to 26 ⁰ C, from 26 to 40 ⁰ C; temperature measurement range: from 15 to 40 ⁰ C Aspiration speed from 0.5 to 1.0 m / s	2015/2015	
For measuring relative humidity and air temperature.	Hygrometer psychometric. Type VIT-2. R. Ukraine JSC "Steklopribor". Factory number 960 Inv.№007	Range of measurement of relative humidity: from 54 to 90%, from 40 to 90%, from 20 to 90%; temperature range: from 20 to 23 ⁰ C, from 23 to 26 ⁰ C, from 26 to 40 ⁰ C; temperature measurement range: from 15 to 40 ⁰ C Aspiration speed from 0.5 to 1.0 m / s	2015/2015	
For measuring relative humidity and air temperature.	Hygrometer psychometric. Type VIT-2. R. Ukraine JSC "Steklopribor". Factory number 947 Inv.№008	Range of measurement of relative humidity: from 54 to 90%, from 40 to 90%, from 20 to 90%; temperature range: from 20 to 23 ⁰ C, from 23 to 26 ⁰ C, from 26 to 40 ⁰ C; temperature measurement range: from 15 to 40 ⁰ C Aspiration speed from 0.5 to 1.0 m / s	2015/2015	
For measuring relative humidity and air temperature.	Hygrometer psychometric. Type VIT-2. R. Ukraine JSC	Range of measurement of relative humidity: from 54 to 90%, from 40 to 90%, from 20 to 90%; temperature range:	2015/2015	

	"Steklopribor". Factory number 665 Inv.№009	from 20 to 23 ⁰ C, from 23 to 26 ⁰ C, from 26 to 40 ⁰ C; temperature measurement range: from 15 to 40 ⁰ C Aspiration speed from 0.5 to 1.0 m / s		
For measuring relative humidity and air temperature.	Hygrometer psychometric. Type VIT-2. R. Ukraine JSC "Steklopribor". Factory number 940 Inv.№010	Range of measurement of relative humidity: from 54 to 90%, from 40 to 90%, from 20 to 90%; temperature range: from 20 to 23 ⁰ C, from 23 to 26 ⁰ C, from 26 to 40 ⁰ C; temperature measurement range: from 15 to 40 ⁰ C Aspiration speed from 0.5 to 1.0 m / s	2015/2015	
The agricultural thermometer is designed to measure temperature in refrigeration units	Glass thermometer Type TS-7-M1. Chervonozavodskoye city. PJSC "Steklopribor". Factory №099.	Temperature measurement range from minus 30 to plus 30 ° C; scale division value 1 ° C; thermometric liquid-methylcarbitol	2015/2015	
The agricultural thermometer is designed to measure temperature in refrigeration units	Glass thermometer Type TS-7-M1. Chervonozavodskoye city. PJSC "Steklopribor". Factory №055.	Temperature measurement range from minus 30 to plus 30 ° C; scale division value 1 ° C; thermometric liquid-methylcarbitol	2015/2015	
The pipette is designed for volumetric dosing of samples of biofluids and reagents used in the practice of medical research, using disposable tips.	1. The single and multi-channel pipette Light No. 1604816 from 1-10 ml JSC Thermo Fischer Scientific	1-10 ml pipette weight 120g; maximum dimensions of the pipette 265x58x24mm	2016/2019	
The pipette is designed for volumetric dosing of samples of biofluids and reagents used in the practice of medical research, using disposable	2. The single and multi-channel pipette Light No.	1-10 ml pipette weight 120g; maximum dimensions of the pipette 265x58x24mm	2016/2019	

tips.	1604851 from 1-10 ml JSC Thermo Fischer Scientific			
The pipette is designed for volumetric dosing of samples of biofluids and reagents used in the practice of medical research, using disposable tips.	3.The single and multi-channel pipette Light No. 1604813 from 1-10 ml JSC Thermo Fischer Scientific	1-10 ml pipette weight 120g; maximum dimensions of the pipette 265x58x24mm	2016/2019	
The pipette is designed for volumetric dosing of samples of biofluids and reagents used in the practice of medical research, using disposable tips.	4. Pipette series CAPP No. 11467, Denmark from 10 to 100 µl	from 10 to 100 µl pipette weight 120g; maximum dimensions of the pipette 265x58x24mm	2016/2019	
The pipette is designed for volumetric dosing of samples of biofluids and reagents used in the practice of medical research, using disposable tips.	5. Pipette series CAPP No. 11897, Denmark from 10 to 100 µl	from 10 to 100 µl pipette weight 120g; maximum dimensions of the pipette 265x58x24mm	2016 / 2019	
The pipette is designed for volumetric dosing of samples of biofluids and reagents used in the practice of medical research, using disposable tips.	6.Pipette Multipette M4Stepper №SNQ21243G, Germany	from 1-10 ml pipette weight 120g;	2019/2019	
The pipette is designed for volumetric dosing of samples of biofluids and reagents used in the practice of medical research, using disposable tips.	7. Mechanical 1-channel variable volume Pipette, Biohit Factory number 17549650,	from 100 to 1000 µl pipette weight 120g; maximum dimensions of the pipette 265x58x24mm	2019/2019	

	LLC SartoriusRUS			
The pipette is designed for volumetric dosing of samples of biofluids and reagents used in the practice of medical research, using disposable tips.	8. Mechanical 1-channel variable volume Pipette, Biohit Factory number 17549649 LLC SartoriusRUS	from 100 to 1000 µl pipette weight 120g; maximum dimensions of the pipette 265x58x24mm	2019/2019	
The pipette is designed for volumetric dosing of samples of biofluids and reagents used in the practice of medical research, using disposable tips.	9. Mechanical 1-channel variable volume Pipette, Biohit Factory number 19005676 LLC SartoriusRUS	from 20 to 200 µl pipette weight 120g; maximum dimensions of the pipette 265x58x24mm	2019/2019	
The pipette is designed for volumetric dosing of samples of biofluids and reagents used in the practice of medical research, using disposable tips.	10. Mechanical 1-channel variable volume Pipette, Biohit Factory number 19005690 LLC SartoriusRUS	from 20 to 200 µl pipette weight 120g; maximum dimensions of the pipette 265x58x24mm	2019/2019	
For storing food, preparing food ice and cooling drinks at an ambient temperature of 16 ⁰ C to 32 ⁰ C.	Refrigerator Zanussi, Italy Factory number.ESD51724000855 Part Number 24150012391	Dimensions: 1225x560x550 mm Energy Class: A + Annual electricity consumption: 214 kWh Defrosting the refrigerator: automatic Weight: 39 kg Cable length: 2.4m Lighting: LED lamp	2008/ 2008	

		Noise Level: 35dB Swing doors Mechanical temperature control.		
For storing food, preparing food ice and cooling drinks at an ambient temperature of 16 ⁰ C to 32 ⁰ C.	Холодильник NordDX431010, Украина. Заводской №.Sz75CY инв.номер 241713060	Dimensions: 1225x560x550 mm Energy Class: A + Annual electricity consumption: 214 kWh Defrosting the refrigerator: automatic Weight: 39 kg Cable length: 2.4m Lighting: LED lamp Noise Level: 35dB Swing doors Mechanical temperature control.	2015/ 2015	
To work with the amplifier	Laptop «Acer» serial number 214	Software	2012/ 2012	
For the separation of heterogeneous systems with a density of up to 2 g / cm ³ in the field of centrifugal forces.	Clinical laboratory centrifuge. Model OPN-8 Factory number 0138.	Maximum rotation speed of 3000 (50s ⁻¹) rpm; capacity of 10 test tubes; maximum separation factor of 1850; maximum centrifuge volume 100 cm ³ .	2008/ 2008	

Designed for aspiration (removal) of trace amounts of a buffer from the walls of Eppendorf tubes during DNA(RNA) purification and other macromolecule reprecipitation technologies	Trap vessel aspirator FTA-1 SIABiosan Latvia, LV-1067. Riga street Ratsupites 7, building2 serial number 04010815100413	Vacuum — 500mbar; filtration- microbiological filter 2200/02 hydrophobic; filter pore diameter 0027micron; power consumption / power 12V, 0.3A / 3.6W	2015/ 2015	
Designed for drying glass and metal medical dishes, Petri dishes, flasks, medical instruments, fatty oils, heat-resistant powders and other materials.	Drying cabinet IIC-80-01SPU OJSC "Smolensk SKTB SPU" Russia Factory number 9558 Inv number 24130003885	Operating temperature range from 50 to 200 ° C	2008/ 2008	
Designed for drying glass and metal medical dishes, Petri dishes, flasks, medical instruments, fatty oils, heat-resistant powders and other materials.	Drying cabinet IIC-80-01SPU OJSC "Smolensk SKTB SPU" Russia Factory number 2218 Inv number 24130001316	Operating temperature range from 50 to 200 ° C	2005/ 2005	
To measure the weight substances.	Electronic scales ScoutPro (SPU123 modification) Factory number7126500448 Inv number 24130003047	Maximum weighing limit is 120 g. The smallest weighing limit is 0.02 g. The calibration unit value is 0.01 g.	2008/ 2008	
For heating samples	Water multi-room bath UT- 4304E, ULAB DPRK Serial number 810233 Inv number 24150022470	The working size of the camera is 300x160x130 mm Volume 12 L Dimensions 530x460x220 mm	2013/ 2013	

Allows to measure transmittance and optical density of liquid solutions, dispersing suspensions, emulsions and colloidal solutions, etc.	Photoelectric photometer KFK-3-3OMZ , OJSC Zagorsk Optical and Mechanical Plant, city of Sergiev Posad, Moscow Region Serial number 1571071 Inv number 241740256	Spectral range 320-900 nm, wavelength range 315-990 nm Working length of the cuvet 1; 3; 5; 10; 20; 30; 50; 100 mm Overall dimensions 500x360x165 mm	2016/ 2016	
EQUIPMENT OF THE SANITARY-HYGIENIC LABORATORY				
Light level	The combined device "TKA-PKM" (08) Pulse meter + Light meter Russia, St. Petersburg LLC "NTP" TKA ". Serial No. 08 5113. Inv.No. 241709445	Measurement range: 10 - 200 000 lux; ripple: 1-100%	2015 /2015	
Climate measurement	Climate Meter Meteoscope-M Russia, Moscow, NTM-Zashchita, Serial No. 156415 Inv.No. 241709450	Measurement range: temperatures from minus 40 to plus 85 ° C; range of measurements of relative humidity from 3 to 97%; air speed from 0.1 to 20 m / s; air pressure from 80 to 110 kPa (from 600 to 825 mm Hg).	2015 /2015	
Magnetic and electric field parameters	Three-component electric and magnetic field meter "BE-METR-AT-003". Russia, Moscow LLC NTM-	Frequency range: 5 Hz to 400 kHz	2014 /2015	

	Zashchita. Serial No. 183014 Inv.No. 241709447			
Electrostatic field strength	Electrostatic field strength meter "ST-01". Russia, Moscow LLC NTM-Zashchita. Serial No. 123308 Inv.No. 24130003755	Range of measurement of tension: from 0.3 to 180 kV / m	2008 /2009	
Noise and vibration	Noise and vibration analyzer "Assistant" Russia, Moscow, NTM-Zashchita LLC. Serial number 211115 Inv.No. 241709449	Working range: from 2 Hz to 40,000 Hz.	2015 /2015	
Noise and vibration	Noise and vibration meter "VShV-003-M3" Russia, Taganrog, LLC "Meter". Serial number 1550 Inv.No. 24130003757	The frequency range for measuring sound pressure levels is from 2 to 18,000 Hz.	2008 /2009	

Relative humidity and air temperature	Hygrometer psychrometric VIT-2 Ukraine, Chernivozavodskoye, PJSC Steklo-Pribor. Serial number A954 Inv.No. 003	Measuring range from 15 C to 40 C, measuring range from 20 to 90% relative humidity	2015 /2015	
Relative humidity and air temperature	Hygrometer psychrometric VIT-2 Ukraine, Chernivozavodskoye, PJSC Steklo-Pribor. Serial number A955 Inv.No. 004	Measuring range from 15 C to 40 C, measuring range from 20 to 90% relative humidity	2015 /2015	
The suction of the test gas mixture during express determination of the content of gas components	Aspirator "AM-5" Ukraine, Donetsk, JSC "DZGA" Serial No. 228421 Inv.No. 241500005	Air intake per one stroke 100 ± 5 cm ³	2012 /2012	
Relative humidity and air temperature	Hygrometer psychrometric VIT-2 Ukraine, Chernivozavodskoye, PJSC Steklo-Pribor.	Measuring range from 15 C to 40 C, measuring range from 20 to 90% relative humidity	2015 /2015	

	Serial number A941 Inv.No. 001			
Relative humidity and air temperature	Hygrometer psychrometric VIT-2 Ukraine, Chernivozavodskoye, PJSC Steklo-Pribor. Serial number A965 Inv.No. 002	Measuring range from 15 C to 40 C, measuring range from 20 to 90% relative humidity	2015 /2015	
FACILITIES OF THE MORPHOLOGICAL LABORATORY OF THE SPC				
The tool is intended for spreading tissue areas embedded in paraffin after microtomy	Round water bath WB 100. "Bio - Optica", Milan. Serial number 221927316 Inventory: 241800358	Pool capacity: 1.5 liters. Temperature: adjustable in the range from 30° to 80° Accuracy: at a temperature of 40°C, ± 1,0°C Thermal power: 200 W Protection class: IP54	2019/2019	
Heated plate used for drying slides or for various laboratory applications	Hot Plate PC800 "Bio - Optica", Milan. Serial number 7719113881 Inventory: 2241800356	Operating temperature adjustment: from + 20 °C to + 90 °C using an electronic thermostat with a microprocessor Reading accuracy +0.5 °C	2019/2019	

<p>The device is designed for sectioning soft tissues embedded in paraffin, as well as harder samples, provided that they are still suitable for microtoming</p>	<p>Rotary Microtome Accu-Cut® SRMTM 200, SakuraFinetek, U.S.A., Inc.</p> <p>Serial number 1429-3672</p> <p>Inventory: 241800354</p>	<p>Operating temperature: + 10°C to + 40°C (50°F to 104°F)</p> <p>Slice thickness setting in microns: adjustable via visual display</p>	<p>2019/2019</p>	
<p>The device is designed for filling and forming paraffin blocks</p>	<p>Paraffin dispenser DP 500, "Bio - Optica", Milan.</p> <p>Serial number 231913681</p> <p>Inventory: 241800353</p>	<p>Dispensary dimensions (L × W × H), mm: 360x550x290 Paraffin furnace dimensions (L × W × H) mm: 300x150x100, volume about 4 l</p> <p>Sizes of a working surface (L × W), mm: 360x300</p> <p>Weight, kg: 21</p> <p>Temperature control: Using an electronic thermostat with a microprocessor (in the range from + 20°C to + 70°C with an accuracy of ± 2°C)</p>	<p>2019/2019</p>	
<p>A single device with a removable top camera that can be used for basket cassette holders coming directly from the processor</p>	<p>UT 200 heating module, Bio - Optica, Milan.</p> <p>Serial number 461912581</p> <p>Inventory: 241800353</p>	<p>Dimensions (LxWxH): 360x550x290mm</p> <p>Dimensions of the upper chamber (WxDxH): 315x210x104mm</p> <p>Dimensions of the removable upper chamber for paraffin (LxWxH): 310x195x100mm</p> <p>Capacity: 5.5 liters</p>	<p>2019/2019</p>	

		<p>Dimensions of the lower chamber (WxDxH) 265x205x40mm</p> <p>Capacity: 3 liters</p> <p>Weight: 17 kg</p> <p>Power: 330W</p> <p>Fuses: 2N. 3.15 Ampere-5x20mm-T3.15AN250V</p> <p>Operating temperature: adjustable from + 20°C to + 70°C, error $\pm 2^\circ$</p>		
The cooling module is used to obtain rapid cooling of histological samples included in paraffin.	<p>Cooling module PF 200, Bio-Optica, Milan.</p> <p>Serial number 981912240</p> <p>Inventory: 241800353</p>	<p>Dimensions (LxWxH): 500x550x290mm</p> <p>Dimensions of the refrigerator (WxDxH): 405x275x48mm</p> <p>Weight: 30kg</p> <p>Power: 600W</p> <p>Operating temperature: programmable up to max -20°C under the control of internal control of thermostatic temperature</p> <p>Accuracy 0.5°C</p>	2019/2019	
Device for automatic staining of histological preparations in laboratory conditions	<p>Histological specimen staining machine</p> <p>BIO-OPTICA-AUS240,, "Bio -</p>	<p>Dimensions (LxWxH): 1,150x770x780 mm - including monitor parameters: + 400mm</p>	2019	

	<p>Optica", Milan.</p> <p>Serial 981912240</p> <p>Inventory: 241800353</p>	<p>Weight: 160 kg (without reagents)</p> <p>Power supply parameters: 115 / 230V50 / 60Hz (cannot be changed by the operator)</p> <p>Maximum power: Model with a heater: 850W</p> <p>Model without heater: 500W</p>		
<p>The PrimoStar microscope is a universal light microscope designed primarily for examining sections of cells and tissues</p>	<p>PrimoStar medical laboratory microscope, manufactured by CarlZeissMicroscopyGmbH, Germany, HS code 9011 80 000 0</p> <p>Inventory: 241796645</p>	<p>Tripod with binocular tube LxWxH 190x410x395mm</p> <p>Tripod with phototube DxWxH190x425x395mm</p> <p>Tripod with a 30° / 20 binocular tube with an integrated "HD IP" camera for PrimoStar with the tube / phototube rotated 180° LxWxH 190x375x395mm</p> <p>Tripod for reflected light illuminator for fluorescence LxWxH 190x410x449mm</p> <p>Permissible temperature +10 to + 40°C</p> <p>Pollution degree 2</p>	2019	
<p>The AxioLab A1 microscope is a universal light microscope designed primarily for examining sections of cells and tissues</p>	<p>Medical laboratory microscope AxioLab A1 manufactured by CarlZeissMicroscopyGmbH, Germany, HS code 9011 80 000</p>		2019	

	0 Inventory: 241796657			
CLINICAL LABORATORY EQUIPMENT				
Alt, ast, direct and total bilirubin, total protein, albumin, glucose, urea, creatinine, GGTP, alkaline phosphatase, amylase, cholesterol, triglycerides, LDL, HDL, iron, RF, CRP, LDH, GGTP, calcium, magnesium, ASO , uric acid, IgA, IgM, Ig, G.	BS-200 E Automated Biochemical Analyzer, ShenzhenMindrayBio-MedicalElectronics Co., Lt	The automatic biochemical analyzer productivity is 200 tests an hour. The measuring principle is absorption photometry and turbidimetry. One, two, and multi-point linear calibration. The number of positions for samples is 40 positions, including positions for calibrators, controls, for urgent samples, automatic dilution of samples. The number of cells in the reaction disk is 80 cells. Urgent analyzes are processed without interrupting analyzes of planned samples. Reaction graphing plus, maximum power consumption of 1000 VA.	2018	
The number of leukocytes, basophils, neutrophils, eosinophils, lymphocytes, monocytes, red blood cells, platelets. Percentage of basophils, neutrophils, eosinophils, lymphocytes, monocytes. Hemoglobin concentration. Hematocrit. MCV, MCH, MCHC, PDW.	BC 5800 Automatic Hematology Analyzer, ShenzhenMindrayBio-MedicalElectronicsCo.,	The BC-5800 hematology analyzer is a quantitative automated hematology analyzer and differentiation counter for five leukocyte subpopulations designed for the invitro diagnosis in clinical laboratories.	2018	
Phase of blood: pH, Pso2, Po2. Oximetry: hemoglobin, methemoglobin, So2. Electrolytes: potassium, sodium, calcium. Metabolites: glucose, lactate. Acid-alkaline status.	Epoc Host 2 (Motorola MC55AO) - information processing and storage device	Measures up to 18 parameters, micro mode. Special module for measurement. Automatic quality control, fully Russified, easy to use, portable.	2014	
	EpocReader Card Reader			
Determines: troponin, myoglobin, D-dimer, pro BNP test, SK-MV, NGAL.	Fluorescence analyzer AlereTriageMeterPro	Easy to operate, each test is equipped with quality control. Portable.	2014	

<p>Alt, ast, protein, direct total bilirubin, amylase, GGTP, alkaline phosphatase, potassium, sodium, magnesium, calcium, chlorides, glucose, urea, creatinine, albumin, cholesterol, LDL, HDL, CRP, RF, LDH, triglyceride, triglycerides iron, glycated hemoglobin</p>	<p>Biochemical analyzer Architect S4000</p>	<p>Increases the linearity range in determining enzyme activity. ICT module - a compact chip for determining electrolytes has a long service life and is easy to maintain. Maximum productivity up to 800 tests per hour. Pressure sensors and fluid levels can detect clot, vesicles, or sample failure during pipetting to reduce the likelihood of analytical error. Robotic tripod loader provides prioritization of samples. About 55 different reagents on board at a time. Smartwash technology prevents biomaterial transfer between samples. The number of samples on board 100, the ability to online configure experimental parameters. Built-in barcode scanner.</p>	<p>2014</p>	
<p>Thyroid hormones: svT3, svT4, total T3, total T4, TSH, Anti TPO, Anti TG. Markers of hepatitis C and B. Oncomarkers: CA15-3, CA19-9, CA125, Number 21-1, AFP, CEA, PSA free and common. Female hormones: estradiol, LH, FSH, progesterone, prolactin, testosterone. Vitamin D.</p>	<p>Immunochemiluminescent analyzer i1000SR</p>	<p>The AbbotARCHITECTi1000 system is designed to perform automatic immunological studies using chemiluminescent microparticle detection technology. The AbbotARCHITECTi1000 system processes analytes with low and large molecular weights using random access, continuous loading and priority processing.</p>	<p>2014</p>	
<p>The number of leukocytes, basophils, neutrophils, eosinophils, lymphocytes, monocytes, red blood cells, platelets. Percentage of basophils, neutrophils, eosinophils,</p>	<p>Ruby hematology analyzer</p>	<p>The CELL-DINRuby analyzer is a multi-parameter automated hematology analyzer designed for the diagnosis of invitro in clinical laboratories. The analyzer uses</p>	<p>2014</p>	

lymphocytes, monocytes. Hemoglobin concentration. Hematocrit. MCV, MCH, MCHC, PDW.		MAPSS technology (multi-angle separation of scattered polarized light), laser flow cytometry in combination with modern software, which ultimately represents the latest generation automated hematology analyzer from Abbott.		
Thyroid hormones: svT3, svT4, total T3, total T4, TSH, Anti TPO, Anti TG. Markers of hepatitis C and B. Oncomarkers: CA15-3, CA19-9, CA125, Number 21-1, AFP, CEA, PSA free and common. Female hormones: estradiol, LH, FSH, progesterone, prolactin, testosterone. Vitamin B12, Folate, Calcitonin, Insulin.	Automated immunochemiluminescent analyzer CL-1000i	Productivity is up to 120 tests per hour, the number of samples is up to 60 samples per load, the sample volume is 10-200 µl, the reaction disc is 75 positions, disposable cuvettes, 88 cuvettes in the tray, 2 trays can be loaded simultaneously, the reagent disk is 25 positions for reagents.	2019	
Prothrombin index, prothrombin time, APTT, INR, thrombin time	Automatic coagulometer – C3100	High performance 200 tests per hour, can be used to analyze 20-70 samples per day. Automatic loading of 1000 ditches in autoloader. Separate automatic dosing device for samples and reagents. Automatic calibration at 2-6 points. Built-in printer. Low consumption of washing solution, the ability to online configure experimental parameters. Support for preliminary automatic sampling and detection of cases of "emergency medical care" is high in terms of reproducibility of results, low cost of analysis. Built-in barcode scanner, support for automatic error reporting and correction during testing.	2018	
Urinalysis: analysis of the elements and chemical analysis. Protein, pH, pigments: bilirubin, sterobilin, urobilinogen. Ketone bodies, sugar, specific gravity, color and turbidity, White blood cells, red blood cells, epithelium, pathological cylinders, bacteria, yeast, mucus,	Automatic urine analyzer FUS2000	The analyzer automatically performs direct microscopic examination of urine, in which centrifugation of urine and the preparation of naive preparations are not required. The basics of the instrument is a digital flow microscope. Within one	2019	

salts (oxalates, urates, tripelfosphates, uric acid salts).		minute, a bank of samples (micrographs) of all the elements that were found in the sample is created. All received samples and other elements of urine are directly visualized by the KDL staff, this is one of the advantages of the analyzer.		
THE PATHOLOGICAL ANATOMY DEPARTMENT EQUIPMENT				
Designed to obtain and maintain a stable temperature inside the working chamber	Dry-air thermostat TC-1/80 CPU-4 Russia	Designed to obtain and maintain a stable temperature inside the working chamber	2014 2017	
Designed for posting tissue samples	Automatic histological processor with vacuum VIP / VP1 Japan	Designed for posting tissue samples	2018	
Designed for staining histological slides	Automatic machine for staining of histological samples BIO-OPTICA-AUS140 / AUS240 Italy	Designed for staining histological slides	2018	
Designed for the preparation of thin sections in histological studies	Rotary microtome Accu-CutSRM 200 Japan	Designed for the preparation of thin sections in histological studies	2018	
Designed for microscopic examination of histological preparations	Microscope ECLIPSE E200 China	Designed for microscopic examination of histological preparations	2018 2014	
Adjustment of working temperature: from +20 C to +90 C	Heating plate PC 400 Italy	Adjustment of working temperature: from +20 C to +90 C	2018	
To obtain sections of frozen tissue without fixation by express examination	Cryostat LEICACM 1510S Germany	To obtain sections of frozen tissue without fixation by express examination	2013	
Adjustment of working temperature: from +20 C	Water bath 40-300	Adjustment of working temperature: from	2018	

to +90 C	LeicaHI 1210 Italy China	+20 C to +90 C		
Designed for the preparation of thin sections in histological studies	Microtome luge MS-2 Ukraine	Designed for the preparation of thin sections in histological studies	2008	
For pouring samples into paraffin	Filling station DR 500 Japan	For pouring samples into paraffin	2018	
For immunohistochemical studies	Immunostner VENTANAXTBENCHMARK USA	For immunohistochemical studies	2017	