LA BioSpace Equipment List 12-24-24

Equipment Name	Specifications
30 Liter Storage Reservoir Type 2 Water, Avidity Science	30L Tank for Point of Use Water Purification
3D Printer (SLA), Saturn 4 Ultra, Elegoo	SLA (resin) printer. Innovative Tilt Release Technology 10-inch 12K Mono LCD COB + Fresnel Collimating Lens Auto Leveling & Intelligent Mechanical Sensor AI Intelligent Monitoring & Power-Loss Resume Printing
3D Printer, Original Prusa MK4S 3D Printer, Prusa	Fused Deposition Modeling (FDM) 3D printer
Autoclave, STERIS AMSCO® 250LS Autoclave, Steris	Steam Sterilizer 20" x 20" x 38" Chamber, 250 Liters / 66 gallons
Autoclave, Tomy SX-500 High Pressure Steam Sterilizer, Tomy	Tomy SX-500 Lab Autoclave, 50-Liter capacity
Balance, VWR P2-Series Balance m203P2, VWR	200g max capacity
Balance/Scale, Analytical balance XSR204, Mettler Toledo	Analytical balance has a capacity of 220 grams and with a readability of 0.1 milligram and has a 78 x 73 millimeter pan size
Biological Safety Cabinet 4ft Class II, Labconco	4ft Biological Safety Cabinet
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Biological Safety Cabinet 4ft Class II, Labconco	4ft Biological Safety Cabinet
Biological Safety Cabinet 6ft Class II, Labconco	6ft Biological Safety Cabinet
Biological Safety Cabinet 6ft Class II, Labconco	6ft Biological Safety Cabinet
CELL COUNTER, EVE AUTOMATED CELL COUNTER, VWR-NanoEnTek	CELL COUNTER, EVE AUTOMATED CELL COUNTER, VWR-NanoEnTek
Cell Culture Incubator (with O2 Control), CellXpert C170i , Eppendorf	Certified 180 °C sterilization routine: incl. downloadable protocol, Uniform atmosphere: Dual-channel IR-sensor (no TC-sensor), temperature uniformity verified (ISO 12880:2007-05), temperature and CO2 recovery after door opening < 5 min, Effective contamination protection: Removable water tray for safe and easy weekly cleaning and refill according to good cell culture practice, Easy cleaning: Stainless-steel chamber without seams, fan, ducts, covers etc., Save money: Up to 25 % more usable space by fanless design, 4 shelves (max. load per shelf: 10 kg/22 lbs) + 2 access ports included, no costly internal expendable parts like fan-associated HEPA-filters that require bi-annual replacement, Low gas consumption: <1 L CO2/24 h (5 % CO2, w/o door opening), O2 control, door handle position, rH/water level monitoring, segmented inner doors
Cell Culture Incubator (with O2 Control), CellXpert C170i, Eppendorf	Certified 180 °C sterilization routine: incl. downloadable protocol, Uniform atmosphere: Dual-channel IR-sensor (no TC-sensor), temperature uniformity verified (ISO 12880:2007-05), temperature and CO2 recovery after door opening < 5 min, Effective contamination protection: Removable water tray for safe and easy weekly cleaning and refill according to good cell culture practice, Easy cleaning: Stainless-steel chamber without seams, fan, ducts, covers etc., Save money: Up to 25 % more usable space by fabless design, 4 shelves (max. load per shelf: 10 kg/22 lbs) + 2 access ports included, no costly internal expendable parts like fan-associated HEPA-filters that require bi-annual replacement, Low gas consumption: <1 L CO2/24 h (5 % CO2, w/o door opening), O2 control, door handle position, rH/water level monitoring, segmented inner doors
Cell Culture Incubator, CellXpert C170 , Eppendorf	The CellXpert C170 CO_2 incubator has a seamless chamber with no fan and an easy-to-clean interior with 140 °C High-temperature disinfection. Grow your cells consistently with fast recovery and temperature uniformity for more reproducible results.
Cell Culture Incubator, CellXpert C170 , Eppendorf	The CellXpert C170 CO_2 incubator has a seamless chamber with no fan and an easy-to-clean interior with 140 °C High-temperature disinfection. Grow your cells consistently with fast recovery and temperature uniformity for more reproducible results.
Centrifuge- Refrigerated, 5425R Centrifuge, Eppendorf	Centrifuge 5425 has a capacity of up to 10 x 5ml and a maximum of 21,300xg or 15,060 rpm. Temperature Control between -10°C and +40°C
Centrifuge- Refrigerated, 5910R Centrifuge, Eppendorf	Max RPM 22,132 × g or 14,000 RPM Temperature range: -11 °C to +40 °C
Centrifuge- Refrigerated, 5910R Centrifuge, Eppendorf	Max RPM 22,132 × g or 14,000 RPM Temperature range: -11 °C to +40 °C
Centrifuge- Refrigerated, 5910R Refrigerated Centrifuge, Eppendorf	Max RPM 22,132 × g or 14,000 RPM Temperature range: -11 °C to +40 °C
Centrifuge, 5425 Centrifuge, Eppendorf	Centrifuge 5425 has a capacity of up to 10 x 5ml and a maximum of 21,300xg or 15,060 rpm

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Centrifuge, Allegra X-30R, 120V -Centrifuge- Cell Culture Pkg, Beckman Coulter	The Beckman Coulter Allegra X-30R Refrigerated Clinical Centrifuge, P/N B06320 is designed for use in general research environments or in clinical sample preparation. This refrigerated centrifuge cools from room temperature to 4° C in fewer than ten minutes and has an operating temperature range of 2° C to 40° C (35° F to 104° F). The X-30R provides excellent performance and easy operation in a compact design that saves valuable time and laboratory space with the highest speed and g-force in its class (1.6L max capacity, 18,000 RPM, 29,756 x g).
Chromatography Refrigerator ,VWR REFRIGERATOR GP 49 CU FT WHITE 115V,VWR	Units are equipped with low E, double-pane thermal insulated glass doors for energy efficiency. Units feature two access ports, one duplex outlet, and one chromatography mast.
DI Water System, Duo™-i Type 2 and Type 1 | Deionized and Ultrapure Water System, Avidity Science	Produces Type 2 water up to 160 liters per day into your chosen reservoir. Type 2 water is used for buffer and media production, sample and reagent diluent, general chemistry, protein electrophoresis, histology, cytology and spectrophotometry. Also produces Type 1 water. Type 1 water is used for molecular biology, electrophoresis, cell and tissue culture, sequencing, HPLC, genomics, pharmacology and any other sensitive applications.
Digital Vortex Mixer, VWR	
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Florescent Microscope, Evos M7000 EVOS M7000 Imaging System, Thermo Fisher	Inverted Microscope. Bring automated, fast, and high-performance imaging right to your bench with the EVOS M7000 Imaging System. This system has been designed with advanced capabilities to simplify demanding slide and cell-based imaging applications including live-cell analysis, image tiling, and Z-stacking, so you can focus on acquiring images and data rather than instrument operation. Objectives: 4x, 10x, 20x, 40x. Fluorescence: DAPI, GFP, RFP
Florescent Microscope, Echo Revolve, Echo	Micrioscop: Upright | Inverted | Brightfield | Fluorescence 5 MP CMOS Monochrome Camera (Fluorescence) 12 MP Color Camera (Brightfield) 12.9" Liquid Retina® Touch Display USB | Ethernet | Cloud Based (Dropbox) Olympus® 1.25x-100x Plan Achromat and Plan Apochromat Intelligent Nosepiece Intuitive Touch Interface, Measurement Annotations, Length, Area, Cell Count, Scale Bar, Z-Stack LED 50,000 hour lifespan, 5 Imaging Channels 4 Epi-fluorescence + 1 Transmitted Light Objectives: 4x, 10x, 20x. Fluorescence: FITC,TRITC, CY5
Flow Cytometer, Cytoflex, Beckman Coulter	Violet-Blue-Red (V-B-R) Series, fully activated with 13 colors or as few as four, activate additional channels in the future Includes 13 bandpass filters: 450/45, 525/40 (2), 585/42, 610/20 (2), 660/10 (2), 690/50, 712/25, 780/60 (3)
Fluorometer, QUANTUS™FLUOROMETER, Promega	Compact, dual-channel fluorometer designed to provide highly sensitive fluorescent detection when quantifying nucleic acids
FREEZER, FREEZER HYDROCARBON DEFROST 115V 20CUFT, Corepoint Scientific	Microprocessor temperature control, Integrated temperature alarms, Forced draft air circulation, Probe access, Keyed door locks
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Hotplate Stirrer, VWR 7X7 CER STIRRER 120V PRO, VWR	Designed for applications requiring exceptional accuracy, stability, and repeatability, these stirrers are equipped with an exclusive safety system that helps protect both the operator and sample.
HPLC, Buchi Pure C-810 Flash, Buchi	Perform any flash or prep HPLC application easily and safely with our extremely compact Pure Chromatography Systems. The Pure platform offers maximal user and sample safety, while using minimal space. Detection: UV and ELSD Pump: Flash and prep HPLC mode System Design: Compact and fully automated
Microplate Washer, The MultiWash+™, Molecular Devices	The MultiWash+™ Microplate Washer is an automated, compact, quiet, efficient washer with 20 different wash protocol options. The variations include adjustable speed and volume, adjustable aspiration speed and time, adjustable soak times, and three modes of shaking. Four wash/rinse bottles are included and configurable for both 96- and 384-well plates.

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Microscope, Rebel Echo (2 units), ECHO	Microscope Upright | Inverted | Brightfield | Phase Contrast 12 MP CMOS Color Camera (Brightfield) 12.9" Liquid Retina® Touch Display USB | Ethernet | Cloud Based (Dropbox) 2x-100x Plan Achromat and Plan Apochromat Intuitive Touch Interface, Measurement Annotations, Length, Area, Cell Count, Scale Bar. Objectives: 4x, 10x, 20x. Fluorescence: DAPI, GFP, RFP
Mini Centrifuge, Minispin, Eppendorf	MiniSpin model delivers speeds up to 12,100 x g
Moisture Analyzer, Halogen MOISTURE ANALYZER HE73 115V, METTLER TOLEDO	0.01 %MC (1 mg) readability, bright backlit LCD display, progress indicator, two methods, free switch-off criterion, standard and rapid drying, 50-200°C drying temperature.
Orbital Shaker, Innova 2300, New Brunswick	The Innova Platform Shakers are the perfect range of units for shaking in ambient conditions, either at room temperature on the bench, in an incubator or in a warm- or cold-room. The New Brunswick triple-eccentric counterbalanced drive ensured long-term dependable operation. The Innova platform shaker model 2300 offers a "quick-change" platform kit for frequent platform changes; enables snapping platforms in place without the need for tools. With a 30"×18" platform that accepts up to 4×6 L Erlenmeyer flasks and offered in a 1" and 2" orbit, the Innova 2300 provides flexibility and dependability for your lab for an array of shaking and agitation needs.
PCR (qPCR), AriaMx real-time PCR (qPCR) instrument, Agilent	Current Filter Modules: FAM, HEX-JOE, ROX, CY5 Filter cartridges
PRECISION BALANCE, XSR204, Mettler Toledo	220 g capacity; 0.1 mg readability; integrated methods; results notepad; hanging weighing pan; easy cleaning; ErgoClip one-step dosing; LabX compatible
REFRIGERATOR GENERAL PURPOSE 30 CU.FT	This Frigidaire 20 cubic foot upright refrigerator prevents warm spots and unwanted freezing and ensures a consistent temperature throughout with the EvenTemp cooling system.
Refrigerator, 20.0 Cu. Ft Single-Door Refrigerator, Frigidaire	Freezer less Refrigerator in White with Temperature Alarm
Refrigerator, Frigidaire 20.0 Cu. Ft Single-Door Refrigerator FRAE2024AW, Frigidaire	This Frigidaire 20 cubic foot upright refrigerator prevents warm spots and unwanted freezing and ensures a consistent temperature throughout with the EvenTemp cooling system.
Sonicator, ULTRASONIC CLEANER DIG TMR HTR, BRANSON ULTRASONICS CORP.	Digital Timer And Heater, 117V Ultrasonic cleaner for mixing, degassing, cell separation and cleaning. Removes blood, proteins, contaminants associated with medical and laboratory industry. Also removes dirt and grease from metal and plastic parts.
Sonicator, Ultrasonic heated bath cleaner	
Sonicator, VWR HOMOGENIZER ULTRASONIC, VWR	Sonicator designed to simplify the process of particle size reduction and cell lysis.
SOUND CONTROL CHAMBER. VWR	
Spectrophotometer, Biospectrometer, Eppendorf	The BioSpectrometer basic is a UV/Vis spectrophotometer for measuring liquids in cuvettes in a wavelength range of 200 nm to 830 nm. It is intended for use in development and research in the fields of molecular biology, biotechnology, biochemistry and cell biology. Glass and plastic cuvettes in a volume range of 1 µL to 3000 µL can be used.
Spectrophotometer, SpectraMax® iD3 Multi-Mode Microplate Reader, Molecular Devices	Built-in near-field communication (NFC) functionality in the SpectraMax iD3 reader enables you to pull up your custom protocols with a single tap, saving you precious time better spent on your research. It features a large, high-resolution touchscreen interface with an embedded software package allowing you to set up custom protocols, take advantage of preloaded protocols, and run your experiment without the need for a dedicated computer workstation.
Stackable orbital shaker, PLATFORM 30IN X 18IN UNIVERSAL, Thermo Scientfic	Stackable orbital shakers provide an ideal solution for both sensitive cultures and traditional "hard shake" applications in incubated and refrigerated configurations.
SYRINGE PUMP, LEGATO 185 SINGLE SYRINGE PUMP, LEGATO	Single Syringe, Programmable Touch Screen, Picoliter, Infusion/Withdrawal Pump
Thermocycler, X50i Mastercycler, Eppendorf	Heating rate: up to 10 °C/s Wide selection of blocks from a fast silver block to 384 well block Touch screen interface Innovative 2D-Gradient for advanced PCR optimization X50 with Touchscreen can control up to 9 other units (connected cyclers do not have a touch screen interface) flexlid concept: automatic height adjustment of the lid allows you to use all types of consumables

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Thermocycler, X50i Mastercycler, Eppendorf	Heating rate: up to 10 °C/s Wide selection of blocks from a fast silver block to 384 well block Touch screen interface Innovative 2D-Gradient for advanced PCR optimization X50 with Touchscreen can control up to 9 other units (connected cyclers do not have a touch screen interface) flexlid concept: automatic height adjustment of the lid allows you to use all types of consumables
ThermoMixer , Thermomixer C, Eppendorf	For heating, cooling, and mixing of almost lab vessels. All common vessels and plate formats from 5 µL to 50 mL
UV Crosslinker, UVP CROSSLINKER CL-3000, Analytik Jena	UV induced mutations, Membrane crosslinking, Biomolecular crosslinking, UV dose calibrated to a NIST traceable standard
WATER BATH GENERAL, VWR	These premium digital general-purpose water baths are designed with high-gabled lids with hinge to hold lid up and allow condensate to drain into bath.
WATER BATH GENERAL,VWR	These premium digital general-purpose water baths are designed with high-gabled lids with hinge to hold lid up and allow condensate to drain into bath.