

Materials List for:

Remote Laboratory Management for Respiratory Virus Diagnostics

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Materials

Name	Company	Catalog Number	Comments
Class III Biological Safety Cabinet (Glove box)	Germfree Laboratories, Ormond Beach, FL, USA	Model #PGB-36, Serial #C-2937	Glove box, Portable, 36", Class III BSC. Dims: 36x20x23.75 in, Includes 2 interior outlets
Class II Biological Safety Cabinet	NuAire, Inc., Plymouth, MN, USA	NU-602-400	4 Ft. Class II Type A2 Cage Changing Biological Safety Cabinet, 12" Access Opening, HEPEX Pressure Duct
Laminar Flow Cabinet	NuAire, Inc., Plymouth, MN, USA	NU-126-300	3 Ft. Vertical Laminar Airflow Cabinet, 8" Access Opening, HEPA filter supply, 99.99%
RT-PCR machine 'Step-one plus'	Thermo Fisher Scientific, Carlsbad, CA, USA	4376598	Holds 96 samples, Dims: 9.7x16.8x20.2 in
Centrifuge - Microcentrifuge 17,000 x g	Thermo Fisher Scientific, Carlsbad, CA, USA	75002440	Holds 24 x1.5 or 2 ml tubes, Dims: 8.9x9.6x13.8 in
Pipettes automated 'Finnpipette'	Thermo Fisher Scientific, Carlsbad, CA, USA	4700880	Pipet 4-pack (2, 20, 200 and 1,000µL volume), Advanced Volume Gearing(AVG), Ultra durable
Pipettes automated	VWR, Radnor, PA, USA	05-403-151	Pipet 4-pack (2.5, 10, 100 and 1,000µL volume)
Mini Centrifuge	Thermo Fisher Scientific, Carlsbad, CA, USA	75004061	Dims: 4.1x5.0x6.0 in
Vortex Mix	Thermo Fisher Scientific, Carlsbad, CA, USA	88880017TS	Dims: 6.1x8.3x3.3 in
Barcode Scanner	Zebra Technologies ZIH Corp., Lincolnshire, IL, USA	Symbol LS2208	Handheld, lightweight
Refrigerator	BioMedical Solutions, Inc., Stafford, TX, USA	BSI-HC-UCFS-0504W	Standard Undercounter Refrigerators & Freezers
Refrigerator	Thermo Fisher Scientific, Carlsbad, CA, USA	05LRAETSA	To occupy 5.1 Cubic feet
Freezer (30 °C freezer)	Thermo Fisher Scientific, Carlsbad, CA, USA	Model ULT430A	To occupy 4.9 Cubic feet
Cryo Coolers	VWR, Radnor, PA, USA	414004-286	0.5 or 1.5 mL tube benchtop coolers
Autoclave Sterilizer 'BioClave'	Benchmark Scientific, Edison, NJ, USA	B4000-16	16 liter, Benchtop, Dims: 22x17.5x15.7 in, Fully automatic, Extremely Compact
Chemicals			
SuperScript III Platinum One-Step qRT-PCR Kit	Invitrogen, Carlsbad, CA, USA	11732-088	
AgPath-ID One-Step RT-PCR Reagents	Applied Biosystems, Foster City, CA, USA	4387391	

QIAamp Viral RNA Mini Kit	Qiagen, Hilden, Germany	52906	
Nuclease-free Water	Ambion, Inc., Carlsbad, CA, USA	AM9906	
Ethanol Koptec Pure 200 Proof	Decon Labs, Inc., King of Prussia, PA, USA	V1001	
Disposable			
1000 µL Filter Tips	Phenix Research Products, Candler, NC, USA	TS-059BR	
200 µL Filter Tips	ART, Thermo Fisher Scientific, Carlsbad, CA, USA	ART, 2770	
20 µL Filter Tips	Multimax, BioExpress, VWR, Radnor, PA, USA	MultiMax, P-3243-30X	
10 µL Filter Tips	Neptune, VWR, Radnor, PA, USA	Neptune, BT10XLS3	
MicroAmp Fast Optical 96-Well Reaction Plate	Thermo Fisher Scientific, Carlsbad, CA, USA	490003-978 CS	
MicroAmp Optical Adhesive Film	Thermo Fisher Scientific, Carlsbad, CA, USA	4311971	
MicroAmp Optical 8-Cap Strip	Thermo Fisher Scientific, Carlsbad, CA, USA	4323032	
MicroAmp Fast Reaction Tubes (8 tubes/strip)	Thermo Fisher Scientific, Carlsbad, CA, USA	4358293	
AB custom probes	Thermo Fisher Scientific, Carlsbad, CA, USA	N/A	Custom probes
Integrated DNA Technology (IDT) custom probes and primer	IDT	N/A	Custom probes
1.5 mL tubes	VWR, Radnor, PA, USA	10025-726	
Combitips	Eppendorf, Hauppauge, NY, USA	89232-972	
Supplies			
Lab coat	N/A	N/A	Customizable
Protective shoes	N/A	N/A	Customizable
Gloves	Denville Scientific, Holliston, MA, USA	G4162-250	Small, medium or large Nitrile or latex gloves
Masks	VWR, Radnor, PA, USA	414004-663	Advanced protection mask
Biohazard waste bags	VWR, Radnor, PA, USA	14220-046	20.3 x 30.5 cm Biohazard bags