

Materials List for:

Remote Laboratory Management: Respiratory Virus Diagnostics

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Materials

Name	Company	Catalog Number	Comments
Autoclave Sterilizer 'BioClave'	Benchmark Scientific, Edison, NJ, USA	B4000-16	16 liter, Benchtop, Dims: 22x17.5x15.7 in, Fully automatic, Extremely Compact
Barcode Scanner	Zebra Technologies ZIH Corp., Lincolnshire, IL, USA	Symbol LS2208	Handheld, lightweight
Breaker Box Panelboard Enclosure	Square D (Schneider Electric), France	MH62WP	NEMA 3R/5/12, Dims: 20 W x 62 H x 6-1/2 in. D, Electrical distribution board
Centrifuge - Microcentrifuge 17,000 x g	Thermo Fisher Scientific, Carlsbad, CA, USA	75002440	Holds 24 x 1.5 or 2 ml tubes, Dims: 8.9x9.6x13.8 in
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
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
Cryo Coolers	VWR, Radnor, PA, USA	414004-286	0.5 or 1.5 ml tube benchtop coolers
Freezer (30°C freezer)	Thermo Fisher Scientific, Carlsbad, CA, USA	Model ULT430A	To occupy 4.9 Cubic feet
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%
Mini Centrifuge	Thermo Fisher Scientific, Carlsbad, CA, USA	75004061	Dims: 4.1x5.0x6.0 in
Pipettes automated	VWR, Radnor, PA, USA	05-403-151	Pipet 4-pack (2.5, 10, 100 and 1,000µL volume)
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
Power Generator	Cummins Power Generation, Minneapolis, MN, USA	C60 D6	60 kW, 60 Hz, 1 Phase, 120/240V, Diesel
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
RT-PCR machine 'Step-one plus'	Thermo Fisher Scientific, Carlsbad, CA, USA	4376598	Holds 96 samples, Dims: 9.7x16.8x20.2 in
Vortex Mix	Thermo Fisher Scientific, Carlsbad, CA, USA	88880017TS	Dims: 6.1x8.3x3.3 in
Chemicals			

AgPath-ID One-Step RT-PCR Reagents	Applied Biosystems, Foster City, CA, USA	4387391	
Ethanol Koptec Pure 200 Proof	Decon Labs, Inc., King of Prussia, PA, USA	V1001	
Nuclease-free Water	Ambion, Inc., Carlsbad, CA, USA	AM9906	
QIAamp Viral RNA Mini Kit	Qiagen, Hilden, Germany	52906	
SuperScript III Platinum One-Step qRT-PCR Kit	Invitrogen, Carlsbad, CA, USA	11732-088	
Disposable			
1 mL cryogenic tubes	Thermo Fisher Scientific, Carlsbad, CA, USA	03-337-7X	
1.5 mL tubes	VWR, Radnor, PA, USA	10025-726	
10 µL Filter Tips	Neptune, VWR, Radnor, PA, USA	Neptune, BT10XLS3	
20 µL Filter Tips	Multimax, BioExpress, VWR, Radnor, PA, USA	MultiMax, P-3243-30X	
200 µL Filter Tips	ART, Thermo Fisher Scientific, Carlsbad, CA, USA	ART, 2770	
1000 µL Filter Tips	Phenix Research Products, Candler, NC, USA	TS-059BR	
AB custom probes	Thermo Fisher Scientific, Carlsbad, CA, USA	N/A	Custom probes
Combitips	Eppendorf, Hauppauge, NY, USA	89232-972	
Integrated DNA Technology (IDT) custom probes and primer	IDT	N/A	Custom probes
MicroAmp Fast Optical 96-Well Reaction Plate	Thermo Fisher Scientific, Carlsbad, CA, USA	490003-978 CS	
MicroAmp Fast Reaction Tubes (8 tubes/strip)	Thermo Fisher Scientific, Carlsbad, CA, USA	4358293	
MicroAmp Optical 8-Cap Strip	Thermo Fisher Scientific, Carlsbad, CA, USA	4323032	
MicroAmp Optical Adhesive Film	Thermo Fisher Scientific, Carlsbad, CA, USA	4311971	
Supplies			
Biohazard waste bags	VWR, Radnor, PA, USA	14220-046	20.3 x 30.5 cm Biohazard bags
Gloves	Denville Scientific, Holliston, MA, USA	G4162-250	Small, medium or large Nitrile or latex gloves
Lab coat	N/A	N/A	Customizable
Masks	VWR, Radnor, PA, USA	414004-663	Advanced protection mask
Protective shoes	N/A	N/A	Customizable