

Public Sector Trial Scheme
Special Call for Projects for the Prevention and Control of Coronavirus Disease 2019
List of Approved Projects

	Applicant	Project Title	Trial Organisation(s)	Approved Funding Amount (HK\$)
1.	Tung Hing Automation Investment Limited	Autonomous Patrolling Body Temperature Scanning Robot	Haven of Hope Christian Service	1,755,000.00
2.	Phase Scientific International Limited	Fully Automated, High Yield and Highly Concentrated SARS-CoV-2 Viral RNA Extraction System	The University of Hong Kong	1,231,245.00
3.	SenseTime Group Limited	Non-contact High-precision Body Temperature and Mask Detection	1) Education Bureau 2) Electrical and Mechanical Services Department 3) Hong Kong Productivity Council 4) Hong Kong Science and Technology Parks Corporation 5) Customs and Excise Department 6) Airport Authority Hong Kong	1,415,000.00
4.	The Hong Kong University of Science and Technology	Formulated Multilevel Anti-microbial Polymers (MAP-1+) for Sustained Disinfection of Bedding Materials in Long-term Care Facilities for the Elderly	1) Haven of Hope Christian Services 2) United Muslim Association of Hong Kong 3) Tung Wah Group of Hospitals	1,991,225.00
5.	Hai Kang Life Corporation Limited	Optimization and Validation of an Enhanced Sensitivity Method for Detecting SARS-CoV-2	City University of Hong Kong	1,612,620.00

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6.	Hai Kang Life Corporation Limited	A NASBA-MP Kit to Detect SARS-CoV-2 Virus	City University of Hong Kong	1,489,200.00
7.	The Hong Kong Polytechnic University	Developing Anti-viral and Durable Clothing for Healthcare Worker in Elderly Home	Hong Kong Sheng Kung Hui Welfare Council Limited	1,762,260.00
8.	The Hong Kong University of Science and Technology	Controlled-release Anti-microbial Hydrogel for Decreasing Microbial Viability in Toilet Flush Water	Haven of Hope Christian Service	1,982,025.00
9.	Swanland.AI Limited	A Smart Multi-Classroom Multi-Pronged System Based on Advanced NCCO Air Purification, Temperature Monitoring, Air Flow Control and other International Recommended Clean and Disinfect Protocols for Schools to Combat COVID-19 and Other Virus	1) Kwun Tong Government Secondary School 2) Kwun Tong Government Primary School (Sau Ming Road) 3) Hong Kong Red Cross Princess Alexandra School	1,997,760.00
10.	The Hong Kong Polytechnic University	PU30™ - Anti-viral, Washable and Reusable Face Masks	Hong Kong Sheng Kung Hui Welfare Council Limited	1,999,850.00
11.	The Hong Kong Polytechnic University	Pilot Production and Clinical Evaluation on the Automated Multiplex Diagnostic System for COVID-19	The University of Hong Kong	4,287,200.00
12.	The Hong Kong Polytechnic University	Developing Healthcare Clothing with Anti-viral and Anti-bacterial Function	Hospital Authority	1,972,020.00

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13.	RV Automation Technology Company Limited	Disinfection Mobile Robot for Prevention and Control of the COVID-19 Epidemic	Hong Kong Science and Technology Parks Corporation	1,894,200.00
14.	The Hong Kong Polytechnic University	Anti-viral and Anti-microbial Durable Disinfectant Coatings for Facemask	The Lok Sin Tong Benevolent Society, Kowloon	1,731,647.00
15.	The Hong Kong Polytechnic University	Anti-virus 3D Printing Materials and its Application in Public Facilities	1) Home Affairs Department 2) Agriculture, Fisheries and Conservation Department	1,979,725.00
16.	Create Industries (Hong Kong) Limited	Disposable Tracheal Intubation Cabin	North Lantau Hospital	731,000.00
17.	The Hong Kong Polytechnic University	Development of Nanopore Sequencing-Based Platform for Rapid Monitoring of COVID-19 Transmission in Hong Kong	1) Pamela Youde Nethersole Eastern Hospital 2) United Christian Hospital	1,860,470.00
18.	The Hong Kong Polytechnic University	Automatic Body Temperature Measurement and High-risk Areas and Crowds Identification System	Po Leung Kuk	1,979,070.00
19.	Focus Industries Limited	Anti-microbial HEPA Filter for HFU & AHU	Electrical and Mechanical Services Department	1,820,600.00
20.	ImmunoDiagnostics Limited	Development of Fluorescence Lateral Flow Immunoassays (FLIA) for Rapid and Precision Detection of SARS-CoV-2	The University of Hong Kong	1,269,000.00
21.	Sanwa Biotech Limited	(Prototype of an) Accurate & Rapid SARS-CoV-2 Diagnostic Test by Mobile Lab-on-Chip POC Platform	The University of Hong Kong	421,776.00

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22.	The State Key Laboratory of Environmental and Biological Analysis (Hong Kong Baptist University)	Development of Integrated Fast Diagnostic Kit for COVID-19	The State Key Laboratory of Emerging Infectious Diseases (The University of Hong Kong)	1,200,000.00
23.	The Hong Kong Polytechnic University	Production of Anti-microbial and Self-Cleaning Laboratory Gown for Students	The Prince Philip Dental Hospital	1,958,620.00
24.	ITE Engineering Limited	An Integrated Solution for the Detection/ Diagnosis/ Surveillance of Hygiene Conditions and Deep Cleansing of Public Toilets and Facilities	1) Transport Department 2) City University of Hong Kong 3) Hong Kong Baptist University	1,999,986.00
25.	Hong Kong Applied Science and Technology Research Institute Company Limited	Noncontact Healthcare Multimeter	Customs and Excise Department	1,725,000.00
26.	Hong Kong Productivity Council	Development of Contactless Elevator Control Panel	1) Airport Authority Hong Kong 2) Electrical and Mechanical Services Department	1,939,795.00

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27.	The Chinese University of Hong Kong	Online AR Training Platform for the Elderly and Persons with Chronic Diseases at Home	1) The Hong Kong Society for the Aged 2) Haven of Hope Christian Service 3) Christian Family Service Centre 4) The Spastics Association of Hong Kong	1,998,700.00
28.	The Chinese University of Hong Kong	Development of a Novel Nanoparticle-Based Indicator for Rapid Point-of-care Detection of COVID-19	Prince of Wales Hospital	1,749,035.00
29.	The University of Hong Kong	Rapid Point-of-Care Diagnosis and Surveillance of COVID-19 by Fluorescent Lateral Flow Assay Based on the Novel Aggregation-Induced Emission (AIE) Technology	1) Queen Mary Hospital 2) Queen Elizabeth Hospital	1,666,481.00
30.	The University of Hong Kong	Rapid and Sensitive Colorimetric Assays for Point-of-care Diagnosis of COVID-19	1) Pamela Youde Nethersole Eastern Hospital 2) Technological and Higher Education Institute of Hong Kong	2,000,000.00
31.	The University of Hong Kong	A Smart Air Cleaning and Sterilizing Platform for Green, Safe and Healthy Elderly Community	Chung Shak Hei (Cheung Chau) Home for the Aged	1,950,400.00
32.	The University of Hong Kong	A Microsphere-based Anti-body Assay for COVID-19	Queen Mary Hospital	535,095.00

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33.	The University of Hong Kong	One-kit-for-multiple-animal Rapid Serodiagnosis and Surveillance of COVID-19	Ocean Park Corporation	1,602,054.00
34.	The University of Hong Kong	COVID-19 Point-of-Care Diagnostics in Saliva: An Aptamer-Mediated Approach	Queen Mary Hospital	1,489,250.00
35.	The University of Hong Kong	Production and Trial of UV Based Disinfection Robots	Electrical and Mechanical Services Department	1,869,095.00
36.	City University of Hong Kong	Rapid Detection of SARS-CoV-2 Virus Using Isothermal Nucleic Acid Lateral Flow Assay (IsoNALFA)	The University of Hong Kong	1,411,102.00
37.	City University of Hong Kong	Precision Prediction Models for COVID-19	1) Kwong Wah Hospital 2) Queen Mary Hospital	1,989,500.00
38.	City University of Hong Kong	Portable Disinfection Device for COVID-19 Using Far-UVC Light	Kwun Tong Methodist Social Service	1,813,297.00
39.	City University of Hong Kong	A Fast-track Vented Enclosure for COVID-19 Patients in Hospitals	The University of Hong Kong	1,975,320.00
40.	Nano and Advanced Materials Institute Limited	Trial: Development of Integrated Plasma Driven Catalyst and Functionalized Filter for Air Purification	1) Tung Wah Group of Hospitals 2) Fung Kai Innovative School 3) Fung Kai Care & Attention Home for the Elderly	1,825,625.00
41.	Nano and Advanced Materials Institute Limited	Trial: Centralized Nano Bubble System for Surface Cleaning and Sanitization	1) Hong Kong Science and Technology Parks Corporation 2) Fung Kai Care & Attention Home	1,972,250.00

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			for the Elderly	
42.	Nano and Advanced Materials Institute Limited	Trial: Waterborne Anti-microbial Coatings for Transportation Vehicles	1) MTR Corporation Limited 2) Tung Wah Group of Hospitals	1,973,400.00
43.	Aurabeat Technology Limited	Trial Use and Evaluation of Air Disinfection Performance of an Air Purification Device Integrated with Ionic Silver, Photocatalytic Oxidation, UV Light Disinfection, and Plasma Sterilization Technologies	Electrical and Mechanical Services Department	1,164,365.00
44.	Hong Kong Productivity Council	Development of Intelligent Robot with Multifunction to Assist Frontline Staff to Combat COVID-19	Haven of Hope Christian Service	850,770.00
45.	Rambo Chemicals (HK) Limited	Multi-functional Composite Coating Material with Anti-microbial Core-shell for Multifarious Surfaces	1) Cheung Sha Wan Kai Fong Welfare Association Lam Tam Yin Wah Kindergarten / Day Nursery 2) The Church of Christ in China (C.C.C.) Kei Heep Secondary School 3) The Neighbourhood Advice-Action Council	1,679,000.00

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46.	The Hong Kong University of Science and Technology	UVC LED Sterilization of Personal Protective Equipment for Reuse Purposes	Po Leung Kuk	833,175.00
47.	The Hong Kong University of Science and Technology	Affordable Smart Fever Screening Systems for Widespread Deployment	1) The Hong Kong Council of Social Service 2) Queen's College 3) The Salvation Army 4) Leisure and Cultural Services Department	1,945,110.00
48.	The Hong Kong Polytechnic University	Reusable Face Shields for the General Public	Hong Kong Christian Service	1,884,850.00
49.	Koln 3D Technology (Medical) Limited	Anti-infection Face Shield with Enhanced Vision and Comfortness	The Chinese University of Hong Kong	1,751,200.00
50.	Master Dynamic Limited	Nano-diamond Application for Medical Industry	Caritas Hong Kong	1,290,075.00
51.	GRN Consultant (Hong Kong) Limited	Multi OZone Disinfection System for Wet Market Hygiene Control	Food and Environmental Hygiene Department	1,324,800.00
52.	Phase Scientific International Limited	Clinical Trial of an All-in-one RT-PCR Kit for SARS-CoV-2	The University of Hong Kong	596,161.20
53.	CMA Industrial Development Foundation Limited	Development of Novel Face Mask Filter Material with Anti-bacterial and Biodegradability Functions and its Application on Face Mask	The Prince Philip Dental Hospital	1,980,300.00

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54.	Health Peak Limited	COVID-19 Detection Based on Fluorescence Polarization Measurement	City University of Hong Kong	1,150,000.00
55.	Roborn Technology Limited	Outdoor Disinfection Robot	Electrical and Mechanical Services Department	1,995,288.00
56.	RHT Industries Limited	NCCO Mask	Drainage Services Department	873,000.00
57.	Sundial Technology Development Limited	Optimization and Effectiveness Trial of PathoBlocker in Clinical Areas for Disinfection and Epidemic Prevention	The Prince Philip Dental Hospital	991,600.00
58.	Mictronics Company Limited	Venti-Pro: Smart Anti-epidemic Sterilization Dust Removal Air Purifier System	1) The Neighbourhood Advice-Action Council 2) The Boys' Brigade, Hong Kong	1,863,000.00
59.	Smart Integration Company	Smart Integration Spiral Filter Mark 1	1) Hong Kong Housing Authority 2) Hong Kong Society for the Blind 3) Pok Oi Hospital	778,000.00
60.	Gense Technologies Limited	Self-administrable and Portable Electrical Impedance Tomography (EIT) System for Remote Monitoring Lung Functions: For Screening and Monitoring Biomarkers of Pneumonia Related to COVID-19	The University of Hong Kong	1,585,000.00
61.	Raze Technology Limited	High-efficiency Anti-virus Wall Paint Using Advanced Photocatalyst Technology	1) The Church of Christ in China (C.C.C.) Fong Yun Wah Primary School 2) Po Leung Kuk Fong Wong Kam	1,996,780.00

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			Chuen Primary School	
62.	Trinity Photonics Manufacturing Company Limited	Intelligent Anti-Pandemic Optical Network	Hong Kong Science and Technology Parks Corporation	1,286,500.00
63.	Risksis Technology Limited	Disinfectant Spraying Robot	Hong Kong Science and Technology Parks Corporation	700,000.00