

List of Companies filed/filing provisional applications related to covid-19 solutions

Company	Brief	Location	Source
IIT Guwahati A technology and research Institute with various technology courses/programs for students.	The institute has protected a spray-based coating to kill infections microbes including the novel coronavirus , by filing a provisional patent. The spray can be used for any personal equipment such as face mask or other personal equipment.	Assam, India	https://www.natureasia.com/en/nindia/article/10.1038/nindia.2020.65
Shiv Nadar University A private interdisciplinary research university that offers a full range of academic programs including undergraduate, post graduate and doctorate level.	The university has filed a provisional application that covers a potential molecule to cure covid-19 infections. The potential molecule can be developed into drug to cure Acute Respiratory Distress Syndrome (ARDS) in COVID-19 patients.	Uttar Pradesh, India	https://www.financialexpress.com/lifestyle/health/covid-19-treatment-shiv-nadar-university-develops-new-molecule-can-this-be-a-potential-breakthrough/1942137/
Docturnal A Hyderabad-based company with focus on proactive detection of diseases.	The company has filed two provisional patent applications for covid-19 diagnosis. The patent covers 2 biomarkers to identify covid-19 symptoms - one measures respiration rate and the second is based on oxygen saturation level.	Hyderabad India	https://yourstory.com/2020/05/medtech-startup-docturnal-coronavirus-covid-19-screening
Faclon Labs An IoT and data analytics startup developing products to make cities and villages smart.	The company is applying for a patent on its AI-based temperature sensing of a large crowd to detect covid-19 patients . The device can be mounted on a wall to capture thermal snapshots of individuals and activate alarms upon detecting those individuals having fever.	Mumbai, Maharashtra	https://www.hindustantimes.com/mumbai-news/two-iit-b-startups-design-temperature-sensors-to-detect-covid-suspects-in-a-crowd/story-tTITYs5bV3nYI75K5OUEJN.html
Log 9 A nanotechnology company with focus on green renewable energy and filtration applications of Graphene.	The start-up has a patent pending on its proprietary device known as Coronaoven . The device is a disinfection chamber for parcels, groceries & masks. The chamber has a feature to kill virus/pathogens within approximately 10 minutes from all types of surfaces after any object is placed inside it.	Bangalore, India	https://www.thebetterindia.com/223668/bengaluru-startup-log9-coronaoven-covid19-innovation-disinfection-chamber-india-nor41/
Premier Biomedical Premier Biomedical is a medical development company specialized for brain injuries therapies and cancer treatments.	A provisional patent application titled, "Method for Treating and Curing Covid-19 Infection" is filed. The patent covers selective removal of blood-borne antigens associated with the ability of Covid-19 to replicate, via an extracorporeal process.	Pennsylvania, United States	https://apnews.com/ACCESSWIRE/2fe2f1f9c52a935e858717c5c3cb0400
XORTX A biopharmaceutical company focused on developing innovative therapies to treat progressive kidney disease.	The pharma company has filed a provisional patent covering its anti-viral drug, XRx-101 , with focus on Methods to treat Respiratory and Kidney Disease Injury Due to Coronavirus Infection. The company has also launched this drug, XRx-101, (i.e., a new formulation of	Calgary, Canada	https://www.globenewswire.com/news-release/2020/03/16/2001230/0/en/XORTX-Launches-XRx-101-Following-the-Filing-of-a-Provisional-Patent-to-Potentially-Treat-Respiratory-and-Kidney-Disease-Injury-Due-to-Coronavirus-Infection.html

	Oxypurinol) to explore its potential to treat covid-19 cases.		
Tauriga A company that manufactures and distributes many retail products with primary focus on proprietary Cannabidiol (CBD) & Cannabigerol (CBG) infused chewing gums and edibles products.	A diverse life sciences company has filed a provisional patent application Titled " MEDICATED CBD COMPOSITIONS, METHODS OF MANUFACTURING, AND METHODS OF TREATMENT " with the USPTO covering its pharmaceutical grade version of Tauri-Gum™.	New York, USA	https://www.otcmarkets.com/stock/TAUG/news/Tauriga-Sciences-Inc-Invited-by-Alibaba-to-be-Exhibitor-at-the-Inaugural-Alibabacom-US-Supplements--Nutrition-Online-Tra?id=263575
University of Dayton A private Roman Catholic research university with offerings from the undergraduate to the doctoral levels.	The researchers from the University have filed a provisional patent that covers AI-based software that can detect the presence of covid-19 disease . The AI-based solution looks for markings on chest X-rays to detect covid-19. The company has licensed its solution to Blue Eye soft.	Dayton, USA	https://udayton.edu/udri/news/20-04-03-ai-for-covid-license.php
US Army	The Army has filed two provisional patent applications covering an airway management isolation chamber . The chamber is invented to protect hospital staff by creating a safer environment for performing airway management from examination to intubation.	USA	https://www.eurekalert.org/public_releases/2020-04/t-uad042120.php
Tiziana Life Sciences UK based biotechnology company with focus on discovery and development of novel molecules to treat human disease in oncology and immunology.	Tiziana Life Sciences has filed a provisional patent for a potential treatment of COVID-19 . The treatment is a combination of its anti-interleukin-6 receptor monoclonal antibody TZLS-501 and antibiotic drug Actinomycin D, distributed with the aim of suppressing an uncontrolled immune response known as "cytokine storm".	Mayfair, London	https://www.morningstar.co.uk/uk/news/AN_1587994053193_182600/tiziana-life-sciences-files-patent-for-coronavirus-treatment.aspx
LEXAGENE A biotechnology company that develops genetic analyzers for rapid pathogen detection and other molecular markers	The company has filed a provisional patent with the USPTO, to protect the expanded testing capabilities of its LX Analyzer technology . The LX Analyzer is capable of testing for COVID-19, as well as flu and other common respiratory pathogens and provide medical results in an hour or less.	Massachusetts, United States	https://picante.today/it-industry/2020/04/16/142830/lexagene-files-patent-application-for-expanded-capabilities-of-their-lx-analyzer/
Venturis Therapeutics A biopharmaceutical company that develops protein drug candidates to address various diseases including severe coronary heart disease, peripheral artery disease, erectile dysfunction, and diseases.	The company has filed four provisional applications for treatment and prevention of virally induced illnesses related to the COVID-19 and other viruses . The patent applications cover general areas: heart damage and virally induced strokes; severe acute respiratory syndrome (SARS); intestinal dysfunction or intestinal epithelial cell damage; and renal dysfunction or failure.	Texas, USA	https://www.medicircle.in/medicircle-venturis-therapeutics-inc-files-for-four-new-patents
University of Washington The university offers various bachelor, master, doctoral and professional courses.	The researcher from the University has filed a provisional patent covering a device that uses multiple electromagnetic sources , including ultraviolet and infrared light, to destroy	Washington, United States	https://www.geekwire.com/2020/uw-researchers-working-flashlight-like-device-destroy-viruses-bacteria-surfaces/

	viruses and bacteria on surfaces more effectively than one radiation source.		
Rapid Medical Parts A company with focus to produce medical parts to sustain equipment and patients care.	The company has filed a provisional patent with the USPTO covering a system to turn CPAP (Continuous positive airway pressure) /BiPAP (Bilevel Positive Airway Pressure) machines into ventilators . It has developed components that can be connected to CPAP or BiPAP machine such that the machines become a fully functioning ventilator. This can be a fast solution to fulfil short supply of ventilators in the current COVID-19 pandemic.	Pennsylvania, United States	https://www.wgrz.com/article/news/health/coronavirus/buffalo-startup-turns-cpaps-into-ventilators/71-241e03aa-ccd9-4483-9868-Oefb68b015db
FibroGenesis A medicine company that develops an innovative regenerative medicine solution for chronic diseases using fibroblasts.	The company has filed a provisional patent with focus to cure COVID-19 using advanced fibroblast cell therapy . "The patent includes the use of fibroblast cells and adjuvants such as peptides and hydroxychloroquine, which fuel the assembly of natural interferon to overpower the virus. The patent also features methods for preventing infection, propagation, and pathology as a result of COVID-19."	Texas, USA	http://www.pharmtech.com/fibro-genesis-announces-provisional-patent-fibroblast-therapy-covid-19-treatment-0
AIM ImmunoTech A pharma company with focus on the research and development of therapeutics to treat immune disorders, viral diseases and multiple types of cancers.	The company has announced the filing of three provisional patent applications related to its drug candidate - Ampligen . The three patents focus on 1) Ampligen as a therapy for the coronavirus; 2) Ampligen as part of a proposed intranasal universal coronavirus vaccine that combines Ampligen with inactivated virus, conveying immunity and cross-protection and; 3) a high-volume manufacturing process for Ampligen.	Pennsylvania, United States	https://www.biospectrumasia.com/news/83/15414/aim-immunotech-files-three-provisional-patent-applications-for-coronavirus.html
iBio A plant-based biologics company that develops therapeutics and vaccines for the betterment of human and animal health.	The company filed several applications in developing vaccine candidates for preventing covid-19 infection . The company created its SARS-CoV-2 Virus-Like Particle ("VLP")-based constructs using its FastPharming System™ to produce the nanoparticles in and purify them from plants.	Delaware, USA	https://www.pharmasalmanac.com/articles/ibio-announces-development-of-proprietary-covid-19-vaccine-candidates
Atossa Therapeutics A biopharmaceutical company that discovers and develops innovative medicines in areas of significant unmet medical need with a current focus on breast cancer and COVID-19.	Atossa has filed a provisional patent application on AT-301 to treat patients diagnosed with or to prevent COVID-19 . AT-301 is proprietary formula intended for nasal administration in patients immediately following diagnosis of COVID-19 to proactively reduce symptoms of COVID-19 and to slow the infection rate so that a person's immune system can more effectively fight the disease.	Washington, United States	https://atossatherapeutics.com/atossa-therapeutics-announces-second-covid-19-therapeutic-development-program-at-301-nasal-spray-summit-biosciences-retained-to-develop-and-supply-at-301-nasal-spray-for-clinical-study/

<p>Abu Dhabi Stem Cell Center (ADSCC)</p> <p>A centre dedicated to bringing the latest advancements in regenerative medicine to patients around the world.</p>	<p>The centre has been granted a patent to develop a COVID-19 treatment through the use of stem cells. The patent covers extraction of stem cells from the patient's own blood and reintroducing them after activating them.</p>	<p>Abu Dhabi, United Arab Emirates</p>	<p>https://www.arabnews.com/node/1668106/middle-east</p>
<p>Biomerica</p> <p>A biomedical technology company that manufactures diagnostic tests to be used by hospitals, labs, and consumers around the world.</p>	<p>The company has filed a provisional patent application on its new rapid test technology to identify multiple coronavirus strains, including SARS-CoV-2, SARS and MERS. The rapid test includes a simplified blood test in conjunction with PCR test. The PCR test is a verification test that only shows a positive result if a person is currently infected and the virus is still present.</p>	<p>California, USA</p>	<p>https://www.medicaldevice-network.com/news/biomerica-finger-prick-covid-19/</p>
<p>Heat Biologics</p> <p>A clinical-stage biopharmaceutical company that develops immunotherapies with the goal of activating patients' immune system against cancer.</p>	<p>The company has filed a provisional application covering its technology platform gp96 for fighting Covid-19. The gp96 vaccine platform activates the human immune system to combat the covid-19 disease. The platform reprograms live cells to continually secrete antigens bound to the gp96, thereby activating a strong T-cell (cellular immunity) response against those antigens.</p>	<p>North Carolina, United States</p>	<p>https://www.pharmaceutical-technology.com/news/heat-biologics-launches-programme-to-develop-vaccine-against-covid-19/</p>
<p>AnPac Bio</p> <p>A biotechnology company with focus on early cancer screening and detection technologies.</p>	<p>The company filed a provisional patent application with the USPTO, covering its new method and system to detect coronavirus.</p>	<p>Shanghai, China</p>	<p>https://www.nsmaterialdevices.com/news/anpac-bio-files-coronavirus-detection-patent-and-initiates-related-research-project/</p>