

Let's Check for COVID-19 at Your Business



ANOSMIC COVID-19 SMELL TESTER

**A PRACTICAL AND
EFFECTIVE APPROACH TO
SCREENING FOR COVID-19
FOR EMPLOYEES &
CUSTOMERS FOR SAFETY**

Authorized for Sale by
Health Canada

IMPACT OF COVID-19



- CDC estimates about 40% COVID-19 subjects are asymptomatic, but they are infectious,
- It takes 3-5 days to sense symptoms and another 2-4 days to obtain test results
- Millions have lost their jobs, trillions of dollars have been lost, people and businesses are suffering.
- Scientists believe that mass testing of everyone is required that is fast, low cost and easy to use to be able to control the spread of coronavirus

ANOSMIC[®] IS BASED ON NEW SCIENTIFIC EVIDENCE – LOSS OF SMELL IS AN EARLY & RELIABLE MARKER FOR COVID-19



Study Adds to Evidence That Odor-Sensing Cells in Nose Are Key Entry Point for Coronavirus

By **Waun'Shae Blount** on 08/20/2020

Excerpt:

... SARS-CoV-2 latches on to a biological hook on the surface of many types of human cells, called an angiotensin-converting enzyme 2 receptor (ACE2).

They found high levels of ACE2 among certain types of nasal cells where odor-sensing neurons are found.

The cells lining the nose may prove to be a key entry point for SARS-CoV-2, and Lane says there may be ways to target those particular cells with topical anti-viral drugs or other therapies directly to that area.

Full Article

<https://www.hopkinsmedicine.org/news/articles/study-adds-to-evidence-that-odor-sensing-cells-in-nose-are-key-entry-point-for-coronavirus>



PUBLIC HEALTH

Mysteries of COVID Smell Loss Finally Yield Some Answers

Explanations begin to arise at the molecular level for this vexing but commonplace symptom

By Stephani Sutherland on November 18, 2020

Excerpt:

An estimated 80 percent of people with COVID-19 have smell disturbances, and many also have dysgeusia or ageusia (a disruption or loss of taste, respectively) or changes in chemesthesis (the ability to sense chemical irritants such as hot chilies). **Smell loss is so common in people with the disease that some researchers have recommended its use as a diagnostic test because it may be a more reliable marker than fever or other symptoms.**

Full Article:

<https://www.scientificamerican.com/article/mysteries-of-covid-smell-loss-finally-yield-some-answers1/>

STAT

HEALTH

Fever checks are a flawed way to flag Covid-19 cases. Experts say smell tests might help

By SHARON BEGLEY @sxbegley / JULY 2, 2020

Reprints

Excerpt:

Of all the nose-to-toes symptoms of Covid-19, the loss of the sense of smell — anosmia — **could work particularly well as an add-on to temperature checks, significantly increasing the proportion of infected people identified by screening in airports, workplaces, and other public places.**

... anosmia is an earlier symptom of Covid-19 relative to fever, and some infected people can have anosmia and nothing else," said physician Andrew Badley, who heads a virus lab at the **Mayo Clinic**. "So, it's potentially a more sensitive screen for asymptomatic patients."

Full Article

<https://www.statnews.com/2020/07/02/smell-tests-temperature-checks-covid19/>

UNIVERSITY OF COLORADO RESEARCH

SHOWS THAT OLFACTORY OR SMELL TESTING MAY BE THE BEST OPTION FOR PREVENTING OUTBREAKS



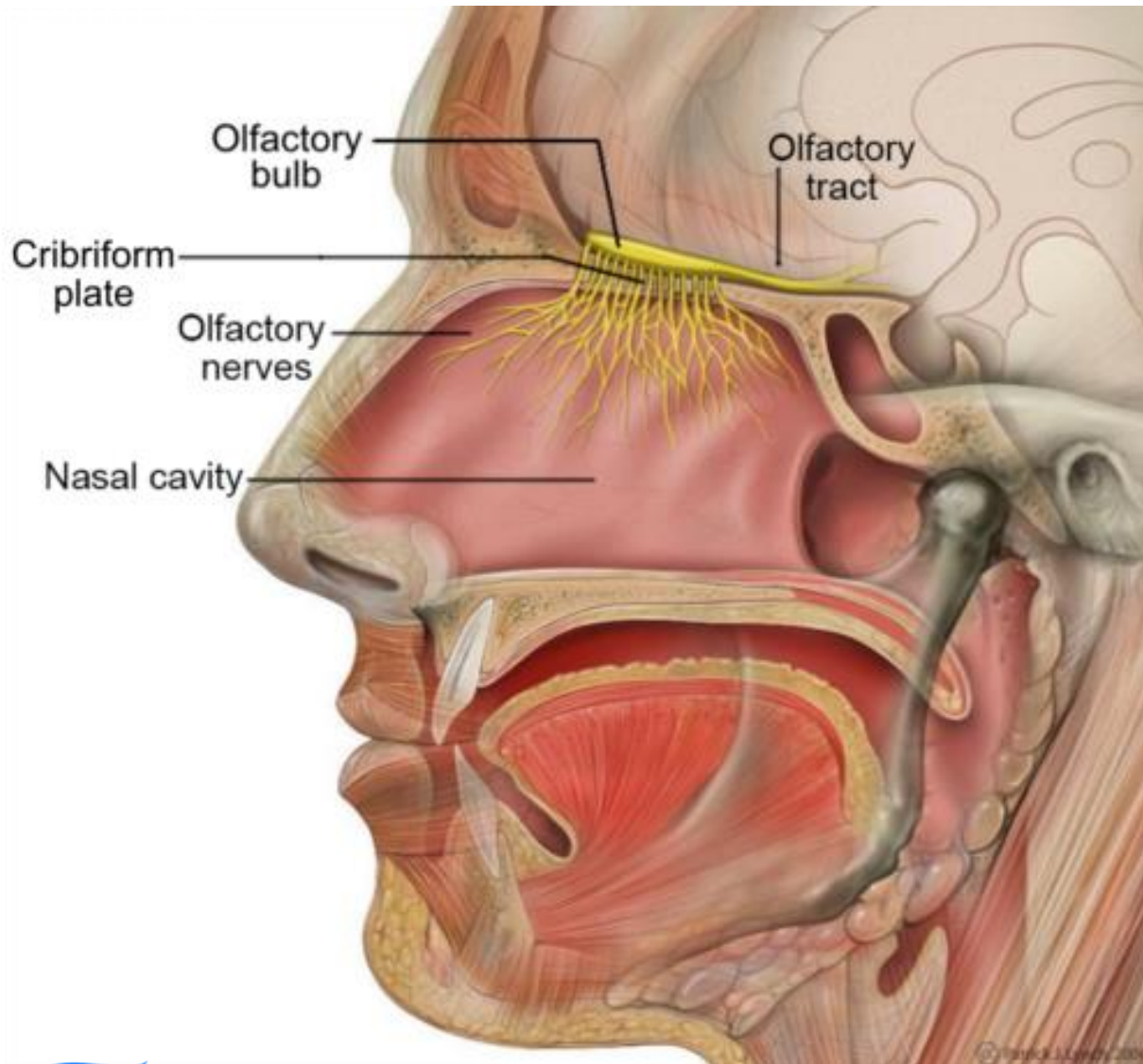
Modeling the effectiveness of olfactory testing to limit

SARS-2-CoV transmission

Daniel B. Larremore, Derek Toomre, and Roy Parker
University of Colorado

Abstract

In light of these estimated impacts, and because olfactory tests can be mass produced at low cost and self-administered, we suggest that screening for olfactory dysfunction could be a high impact and cost-effective method for broad COVID-19 screening and surveillance.



HOW CORONAVIRUS ENTERS BODY

- Coronavirus is a hidden enemy that enters through the nasal olfactory track through the receptor cells causing loss of smell or anosmia.
- Coronavirus causes the loss of sense of smell first before infecting the rest of the body which causes rise in temperature and other symptoms.
- Study at Johns Hopkins University suggests that ACE-2 enzyme is gateway that allows the virus to enter at the back of the nose where we detect smell.

ANOSMIC COVID-19 SMELL TESTER



- ANOSMIC® COVID-19 SMELL TESTER is an innovative medical device for screening for symptomatic and asymptomatic COVID-19 infection,
- It is fast, accurate, cost-effective, non-invasive and easy to use by everyone for regular self-test
- ANOSMIC is effective for mass testing that can keep families and coworkers safer and enabling to reopen businesses and economy.
- Complies with workplace safety and personal injury claims due to coronavirus.

ANOSMIC® IS AUTHORIZED FOR SALE BY HEALTH CANADA

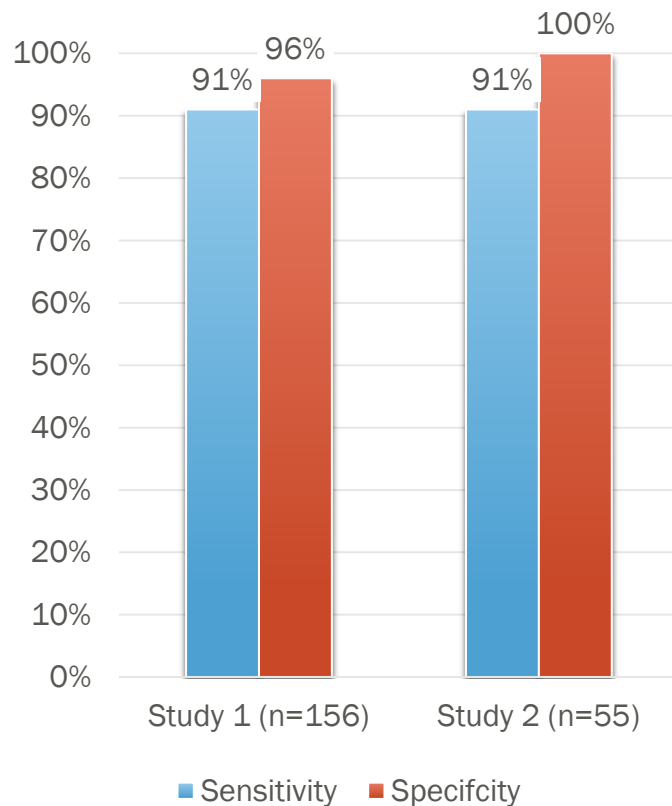
- ANOSMIC® is a natural spray-based formulation which gives off a characteristic odor engineered from a precise combination of all-natural organic ingredients
- A sudden loss or degradation of smell indicates a possible risk of a COVID-19 infection
- Subjects screening positive for an infection should proceed for a confirmatory test (e.g.RT-PCR)
- Those that test COVID positive can be Isolated and treated earlier to save lives and stop the spread of coronavirus
- Manufactured in Health Canada and FDA approved aseptic facility in Ontario, Canada
- Patent and Trademark Pending

Health Canada Santé Canada		Medical Devices Directorate Direction des instruments médicaux	
<u>COVID-19 Medical Device</u> <u>Authorization for Importation or Sale</u>		<u>Autorisation d'importation ou de mise en vente d'un instrument médical relatif au COVID-19</u>	
Authorization Reference Number :	319520	Numéro de référence de l'autorisation	
Issue Date:	2020-10-19	Date de délivrance:	
Device Class/Classe de l'instrument : 1			
Pursuant to section 5 of the Interim Order Respecting the Importation and Sale of Medical Devices for Use in Relation to COVID-19, made by the Minister of Health on March 18, 2020, the medical device listed below is now authorized for sale or importation in Canada.		Conformément à l'article 5 de l'Arrêté d'urgence concernant l'importation et la vente d'instruments médicaux relatifs au Covid-19, réalisé par la ministre de la Santé le 18 mars 2020, les instruments indiqués ci-dessous sont présentement autorisés pour la mise en vente ou l'importation au Canada.	
Each shipment of a COVID-19 medical device that is imported into Canada must be accompanied by a copy of this authorization document. Please ensure to highlight the Authorization reference number during the import declaration process to facilitate port entry without any delays.		Tout envoi d'un instrument médical relatif au COVID-19 doit être accompagné d'une copie de la présente autorisation. Veuillez vous assurer de souligner le numéro de référence de l'autorisation durant le processus de déclaration d'importation pour faciliter l'entrée sans délais aux points de contrôle frontalier.	
This authorization is only valid for so long as the Interim Order Respecting the Importation and Sale of Medical Devices for Use in Relation to COVID-19 is in effect.		Cette autorisation est uniquement valide tant que l'Arrêté d'urgence concernant l'importation et la vente d'instruments médicaux relatifs au Covid-19 est en vigueur, ou l'autorisation est annulée.	
Device Name(s) Nom de l'instrument ANOSMIC COVID-19 SMELL TESTER			
Name & Address of Authorization Holder/Nom & adresse du titulaire de l'autorisation VIROECULE INC. 8500 LESLIE STREET, SUITE 101 MARKHAM, ONTARIO CANADA L3T 7M8			
David Boudreau, ing., Director General, Medical Devices Directorate Directeur général, Direction des instruments médicaux			
Application Number: Numéro de la demande:		319520	Manufacturer ID: Identificateur du fabricant: 160784

COVID-19 DETECTION METHODS

Criteria	RT - PCR	Antibody	Antigen	Anosmic Smell Tester
Description of Test	RT-PCR most common diagnostic test considered gold standard detects viral RNA collected from nose at hospital	Serology test examines antibodies developed to fight against coronavirus. Examines the blood samples. Not used for diagnosis	Antigen rapid test detects presence of viral proteins. Uses nasal or throat swab. Used for initial screening.	Symptomatic anosmia and hyposmia test for olfactory dysfunction by smelling proprietary odor. Used for initial screening
Accuracy	Sensitivity 80% Specificity 98% Some claim sensitivity >98%. Issues with collecting good samples or test is too early or late during infection cycle	Sensitivity > 90% Specificity 95% - 99% Inaccuracies may occur with timing of test as antibodies appear 1 – 2 weeks after infection, and mild symptoms	Sensitivity 60% - 80% Not sufficient data on accuracy as relatively new.	Sensitivity >90% Specificity >95% Accuracy >90%
Ease of Use	Tested by medical professional	Tested by medical professional	Tested by medical professional	Easy Self-Test or Medical Professional
Medical Clinic Req	Yes	Yes	No	No
Test Result Time	2 – 3 days	< 1 hour	15 min	30 sec
Cost of Test	\$120 / test	\$200 / test	\$5 - \$30 / test	<\$0.30 / test
Key Advantages/ Disadvantages	Advantages -Most accurate -Most common Disadvantages -2-3 days for results -Expensive -Accuracy issues for early detection	Advantages -Most accurate Disadvantages -Suitable after 2 weeks -Not for diagnosis -Most expensive	Advantages -Low cost -Fast 15 min response -Non-medical lab for test Disadvantages -Accuracy issues	Advantages -Early detection -Very Fast -Very low cost -Accurate -Easy, non-intrusive & safe -No medical lab

Clinical Study Results ANOSMIC COVID-19 Smell Test



ANOSMIC™ IS EASY, FAST, ACCURATE & ECONOMIC –

- Three clinical studies were conducted in Government research hospital at Rajasthan University of Health Sciences and SME Hospital in India as follows:
- 1st Clinical Study:
Retrospective symptomatic COVID positive patients (n=56), COVID negative patients (n=50) confirmed by PCR, and healthy asymptomatic untested subjects (n=50). Found 98% COVID positive patients had some loss of smell. Achieved 91% sensitivity and 96% specificity,
- 2nd Clinical Study:
Prospective symptomatic of incoming untested subjects (n=55) at RUHS. Achieved 91% sensitivity and 100% specificity
- 3rd Clinical Study:
Prospective of symptomatic (n=120) and asymptomatic (n=300). We found that 90% of COVID-19 subjects have some loss of smell, and ANOSMIC test was able to detect COVID positive subjects with 92% precision. We also found 11% asymptomatic subjects were COVID positive.
- **ANOSMIC has over 90% accuracy of detecting COVID-19 positive symptomatic and asymptomatic people at home or workplace.**

HOW IT WORKS - AS EASY AS 1-2-3

SPRAY – SNIFF – ASSESS

Loss of Smell
(Positive)



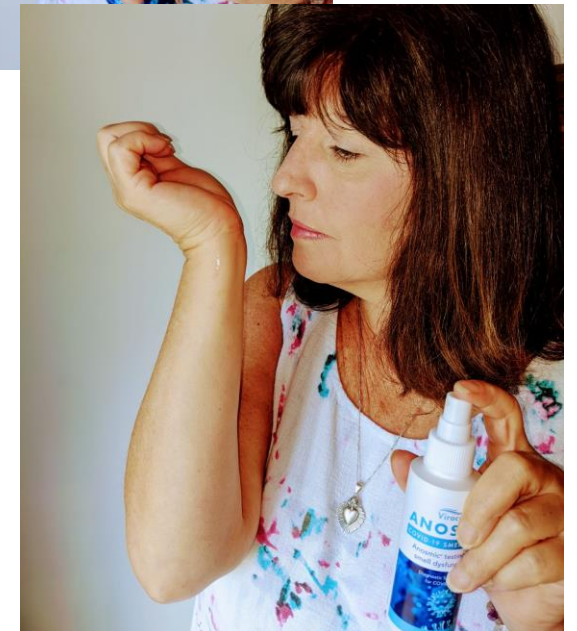
Obtain Medical
Attention at COVID
Test Center

No Loss of Smell
(Negative)



Continue Daily
Monitoring

ANOSMIC test saves
lives & keeps
business safer



ANOSMIC® HAS THE ATTRIBUTES OF AN IDEAL TEST

STRENGTH IN SIMPLICITY



Rapid

Test in under 30 seconds



Reliable

90% Accuracy



Affordable

Less than 30 cents/test



Non-invasive

Smell from a distance



Convenient

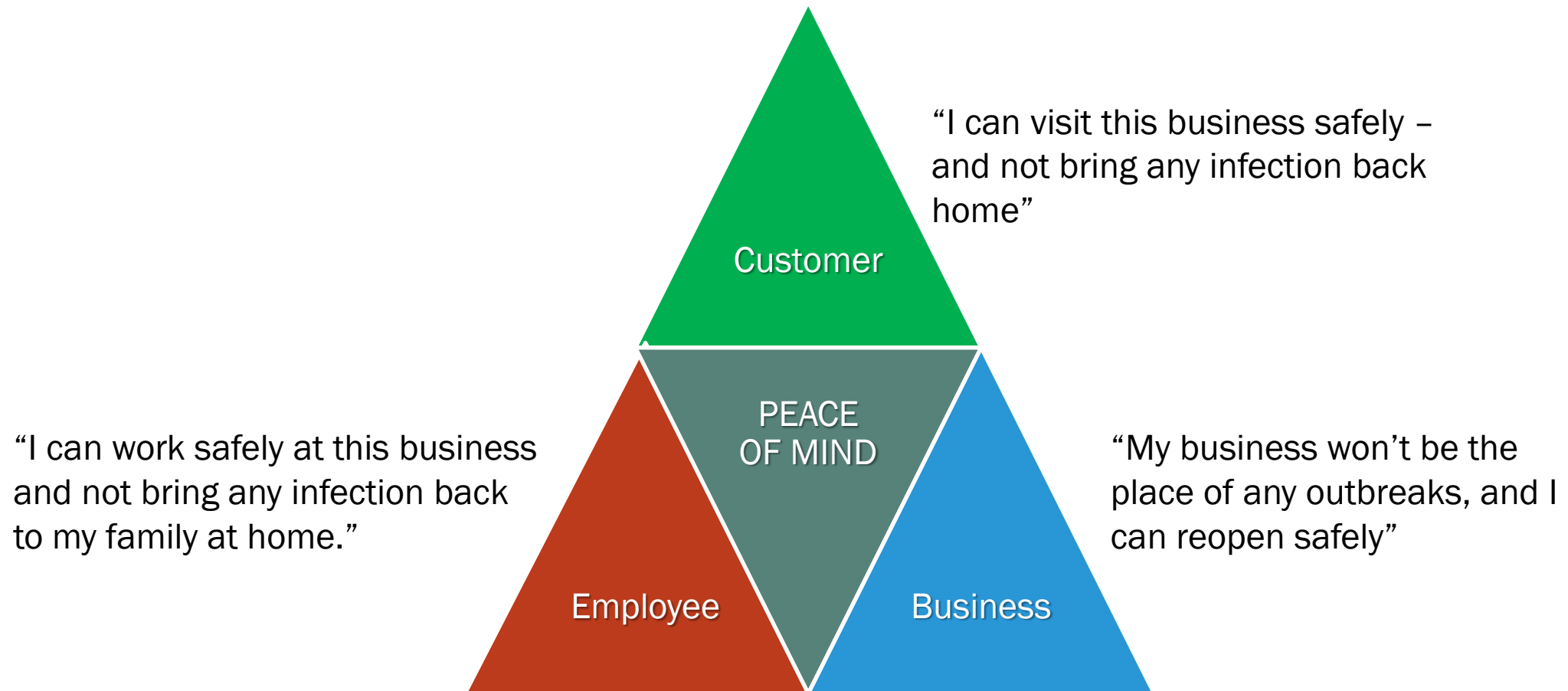
Anytime and Anywhere



Early Detection

Nasal Passage Gateway

SAFETY & KEY FACTOR ENABLING BUSINESS OPERATIONS





**ANOSMIC IS IDEAL PRODUCT FOR SCREENING
BUSINESSES**

TESTIMONIALS – WHAT OUR CUSTOMERS ARE SAYING

- “This is a terrific product and I use it every day to check my smell symptom for COVID-19 it is easy and a great peace of mind having a rapid test I can count on.” Dave, Peterborough
- “I am a teacher, this easy to do test allows me to not worry if I am passing COVID-19 to students or family. Being a natural product, sterile and authorized by Health Canada gave me great confidence to use it.” Sharon, Markham
- “Have used for transportation business and was easy, simple way to check everyone is ok” John, Toronto
- “Had my relative check for COVID-19 with ANOSMIC, he could not smell and rushed to hospital and tested COVID positive. He could have infected my whole family, thanks Virocule.” Tarun, India
- “ANOSMIC allows our Health & Wellness to create the new norm for our business” Jack, Ajax
- “Early Screening for COVID-19 for the masses is how we curb this virus” Mark, Mississauga
- “We went to work today and the new smell tester was introduced, made us all feel less stress after tests and knowing no infection is spreading in the workplace.” Stephen, St. Catharines
- “This product should be used everywhere to curb COVID-19” Ashley, Vancouver

CONTACT

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CANADA

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- Dr. Nitin Mohan, MD, MPH, Public Health Advisor
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Virocure®
ANOSMIC®
COVID-19 SMELL TESTER

Anosmic® Testing For Smell Dysfunction.
Essai Anosmic® Pour La Perte D'odeur.

Daily Screening Device
Dispositif de Dépistage Quotidien
COVID-19

EASY AND FAST	FACILE ET RAPIDE
90% ACCURATE	90% PRECIS
NATURAL PRODUCT	PRODUIT NATUREL
NON INVASIVE	NON-INVASIF
FIVE HUNDRED TESTS	CINQ CENTS ESSAIS

100ml

Made In Canada/Fabrique en Canada
Patent Pending/Brevet en Attente Model/ Modèle
VR100-340

Authorized for Sale by Health Canada Approval No:
Autorisé à vendre par Santé Canada No d'homologation:
319520



YOUR ANOSMIC CONTACT

- Name:
- Email:
- Phone No: