

Fact Sheet

COVID Sniffing Medical Dogs

The part of the dog's brain that processes scent is 40% larger than a human.

Dogs possess up to 300 million olfactory receptors, humans have around 6 million.

Dogs can:

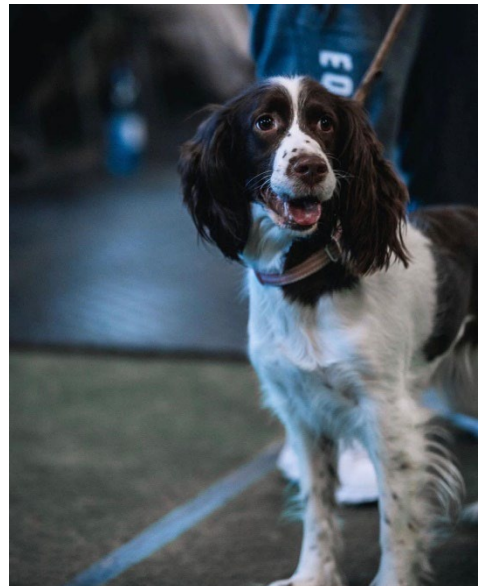
- Smell 1 part per trillion or a teaspoon of sugar in an Olympic sized swimming pool.
- Smell ALL the ingredients in a pizza – for example, when a human smells “pizza” a dog smells ½ teaspoon of fresh oregano, smoked peperoni, a dozen mushrooms, tomatoes and more.

Dogs have been used to detect:

- Bed bugs
- Dangerous goods
- Bombs and Drugs
- Medical conditions
- American Foulbrood that infects honeybees

Medically, dogs can and are used to detect:

- Lung, breast, ovarian, bladder, and prostate cancers
- Narcolepsy
- Migraines
- Low blood sugar (diabetes)
- Seizures and strokes
- Stress & Anxiety
- Toxin gene-positive *Clostridioides difficile*
- COVID-19



Detection of COVID by Dogs

- Sensitivity = 92-97% Specificity = 91-94%
- Dogs can detect COVID up to 3-4 days sooner than a rapid antigen test
- Dogs are less expensive when used for detection than the more traditional molecular lab testing
 - 1 dog for 3 hours is ~\$1200 Cdn
 - The reagents to PCR test 90 patient samples = \$1200
- Dogs are much faster than laboratory testing
 - Dogs can determine if a person has COVID in seconds
 - PCR testing = 24 hours for test results
- Dogs are used at the airport, schools, healthcare facilities and large sporting events
- If a dog detects a person as “being positive” the person needs to be confirmed positive by either a PCR or a rapid antigen test

To book a COVID detection dog please visit www.hhk9detection.com

For more information: Novometrix Research Inc. www.novometrixinc.com