

German researchers develop first test for new virus from China

January 16 2020



Credit: CC0 Public Domain

German researchers said Thursday they have developed the first diagnostic test for a new virus that has emerged in central China.

The virus was first detected in the Chinese city of Wuhan last year and cases have since been reported in Thailand and Japan. Dozens of people in China have been sickened by it and one person with severe underlying conditions has died.

Dr. Christian Drosten, the director of the Institute for Virology at Berlin's Charite hospital, said the test developed by his team will allow labs to reliably diagnose the so-called novel coronavirus "in a very short period of time."

The test protocol is being made available through the World Health Organization, and laboratories can order a molecule from the German team to compare patient samples with a positive control, he said.

"We have just started receiving orders and are now starting to post the molecule," Drosten told The Associated Press.

So far, doctors have only been able to perform a general [virus](#) test and then had to sequence and interpret the genome, said Drosten. Large, well-equipped public laboratories are able to do this but smaller labs would struggle to do so, he added.

"We're more concerned about labs in countries where it's not that easy to transport samples or staff aren't trained that thoroughly, or if there is a large number of patients who have to be tested," said Drosten, citing the epidemic of SARS, or Severe Acute Respiratory Syndrome, which killed hundreds in 2002 and 2003.

Drosten, who was one of the co-discoverers of SARS, said the two viruses are so closely related that laboratories which have control samples for SARS in stock can use it to diagnose the [new virus](#), cutting the time required to create a functioning [test](#).

© 2020 The Associated Press. All rights reserved.

Citation: German researchers develop first test for new virus from China (2020, January 16)
retrieved 2 May 2024 from <https://medicalxpress.com/news/2020-01-german-virus-china.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.