

10 January 2023

Detectability of Omicron subtype XBB.1.5 with the NADAL® COVID-19 Ag tests

Dear Sir or Madam,

since the end of 2022, the **subtype XBB.1.5 of the Omicron variant** has been spreading, which has an abundance of mutations. The majority of these (about 40 mutations) are in the spike protein, which the virus uses to recognise its host cells.

However, our **NADAL® COVID-19 antigen rapid tests and self-tests** detect the nucleocapsid protein (N-protein), which surrounds the RNA of the virus. Only five mutations are present in the N protein of subtype XBB.1.5. These mutations are outside the range on the N protein that is detected by our rapid tests.¹

In addition, our NADAL® COVID-19 Ag tests have already been evaluated with the N protein of the omicron subtypes BA.3, BA.3 and BA.5. The mutations of the N protein are identical to those of the subtype XBB.1.5 and **it was found that the mutations do not affect the test performance of the NADAL® COVID-19 Ag tests.**

Yours sincerely,

A handwritten signature in blue ink, appearing to read 'J. Greindl-Junghans'.

Dr. Julia Greindl-Junghans
nal von minden GmbH

¹ https://outbreak.info/situation-reports?xmin=2022-07-03&xmax=2023-01-03&loc=USA&loc=USA_US-CA&loc=DEU&loc=Worldwide&pango=BF.7&selected=DEU

We help you care!