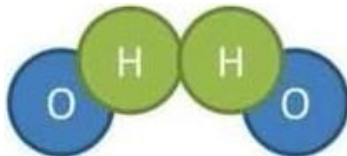




RIKEN KEIKI

The role of gas detector to Covid-19 measures

Currently Covid-19 is greatly affecting the world economy. American airplane industry uses hydrogen peroxide(H₂O₂) widely because H₂O₂ is effective as an antivirus. The reason is for the sterilization of airplanes. However H₂O₂ is a toxic gas and a management of H₂O₂ concentration is needed. Therefore the demand of gas detector is increasing in USA.



Hydrogen peroxide: H₂O₂

TLV: 1 ppm

H₂O₂ has a strong oxidizing effect, therefore it reduces the activity of the virus by reacting with it. However we need to manage H₂O₂ concentration due to its TLV.



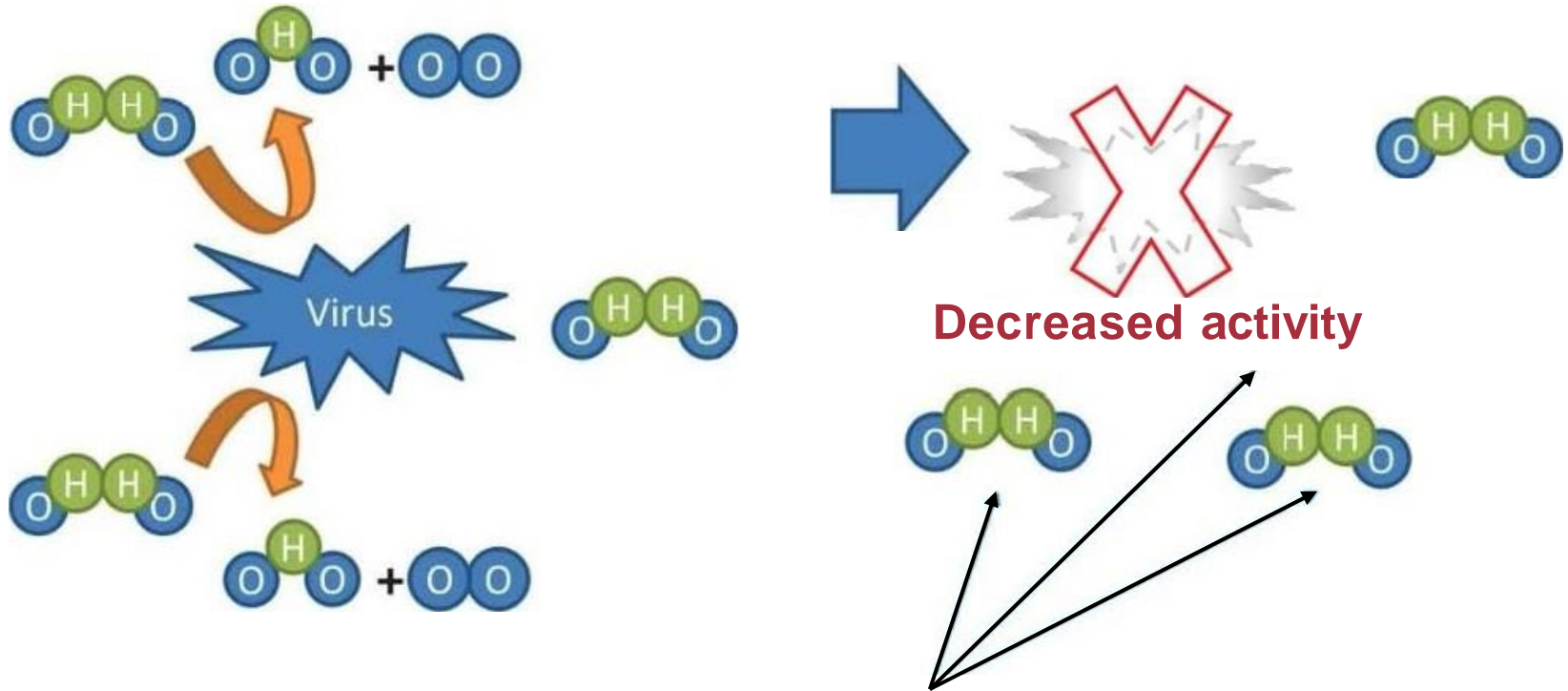
Workers need gas detector to detect the residual gas.

Sales contacts for H2O2 gas detector

- Aviation Sureau
- Railway operating company or Railway management company
- Taxi company
- Some companies performing sterilization(cleaning) using H2O2



The effect of H₂O₂ to virus...



Residual gas: target gas