

Research and development of next-generation

virus detection system

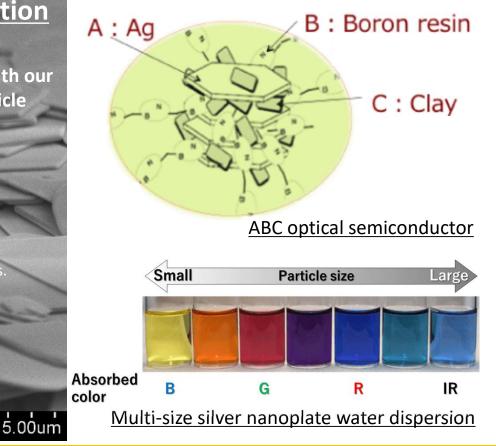
We aim to build an ultra-sensitive virus detection system with our proprietary ABC light semiconductor and silver tabular particle technology.

ABC optical semiconductor technology

It is a novel optical semiconductor consisting of silver fine particles (**A** g), boron resin (**B** oron) and clay (**C** lay).

- "A" shows properties such as surface-enhanced Raman scattering (SERS), antibacterial and non-contact antibacterial properties, infrared reflectivity,
- and heat shielding properties by surface plasmon resonance of nanoparticles.
- **"B**" is an ionic liquid of Boron and Nitrogen. Since "B" has the property of a semiconductor, it can be applied as an electronic device.
- "C" is ion exchange with positive ions between laminations and can be both lipophilic and hydrophilic.

Silver tabular fine particle formation technology It is possible to design tabular grains ranging in size from nm to several μm.



Food, Medicine and Bio-Products