We service smart fluorescent probe for diagnostics, bio-imaging, bioassay and R&D support company.

Improvement of solvatochromic fluorescent probe for each collaborator

![Image of fluorescent probes with low and high polarity]

Intelligent fluorescent probe, whose fluorescent wavelength is shifted by microenvironmental changes, has been desired for biological applications.

Advantages of Fluorescent Solvatochromic Dyes

Fluorescent solvatochromic dyes are potential probes for biological applications.

- Many biological reactions accompany polarity change.
  (Ex. Antigen–antibody reactions, denaturation and renaturation of DNA, membrane dynamics)
- Absorption wavelength is scarcely shifted by polarity change.
  (Multicolor signals can be generated by single wavelength laser)
- Very small probe size
  (Avoiding interference with biological reactions)

Contact: Kenichi Maruyama, CEO
E-mail: maruyama@polaris-t.com