

Quartz Dot

Fluorescent Silica Nano-particle

Quartz Dot has superior properties: strong fluorescent emission, hydrophilicity and stability in labeling biomolecular processes. These provide excellent sensitivity (x10-100 v.s. Au colloid) and consistency. Quartz Dot is the most suitable for lateral flow test (ICA), such as many kinds of infection tests.

Feature 1

Strong emission

Absorbance
 $3 \times 10^{10} \text{M}^{-1} \text{cm}^{-1}$
(300 nm)

Feature 2

Hydrophilic surface

Feature 3

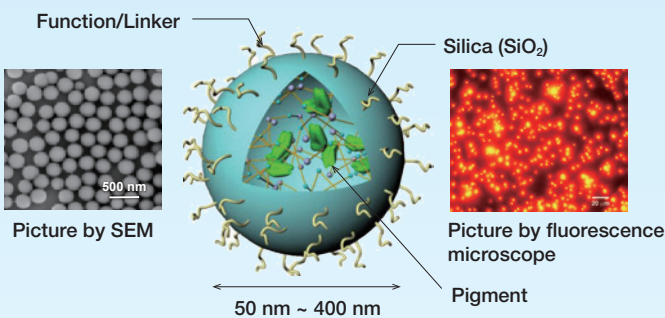
Safe & Durable

Feature 4

Coloring/ Fluorescent

NEW

Structure

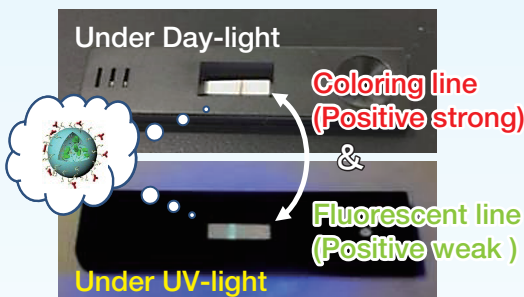


Application for Immunochromatography

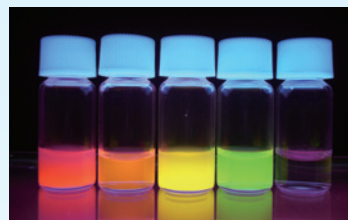
- hCG
- Influenza virus
- Acanthamoeba
- Campylobacter

New feature

Fluorescence with coloring type (FWC)



Lineups



Code	Excitation	Emission	Type
QD-GO	Green	Orange	Fluorescent
QD-VG	UV/Violet	Green	Fluorescent

Additional service

- Conjugation
- Assisting kit/prototype production
- Design/produce for immunochromatography-reader



Fluorescence scope

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