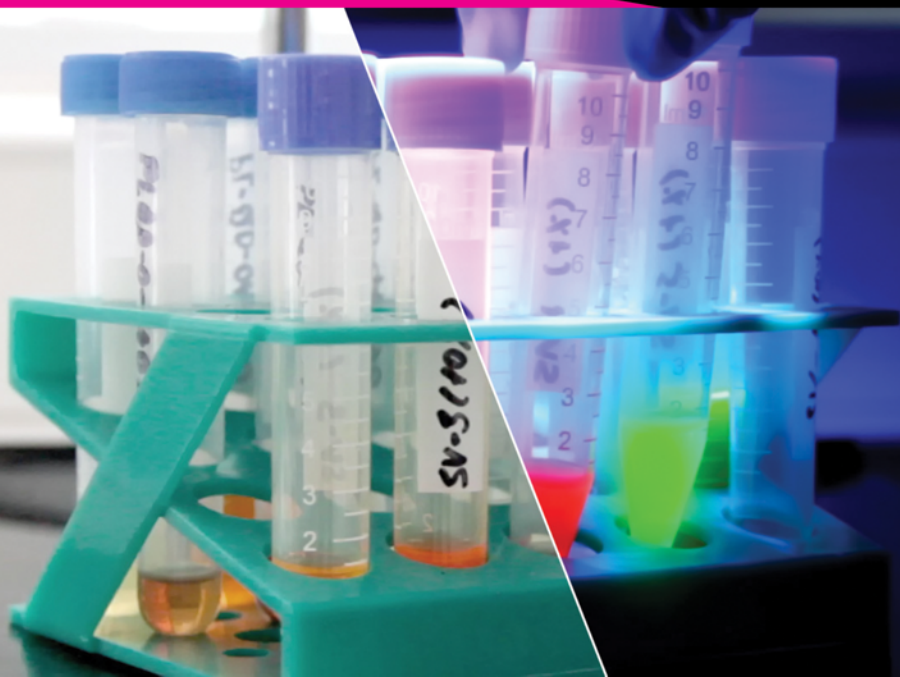




CHEMICAL DIGITAL LABORATORY IQDEMY CHEMICALS
PRESENTS A UNIQUE PRODUCT

QUANTUM DOTS INK



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UV-curable ink with quantum dots

Quantum dots ink – is a unique ink containing quantum dots. Quantum dots- are nanocrystals, sized from 2 to 10 nanometers, absorbing energy in the UV spectrum and emitting in visible. Depending on quantum dot's size we can change its color.

QUANTUM DOTS INK – LUMINATING INK!

For a long time traditional fluorescents and luminophores have been used in interior design, in car industry, as a reflective elements, etc. Ink with quantum dots is a fundamentally new product with improved properties: quantum dots usage has significantly expanded the scope of UV-curable ink application.

Quantum dots ink are developed for the areas where exact readjustable luminescence is needed. Advantages of quantum dots:

- Photostable
- Lightness resistant
- Fluoresce from UV to UR
- Provide excellent color purity
- Resistant to chemical degradation



QUANTUM DOTS INK WILL PROTECT YOUR PRODUCT AGAINST FORGERY!

Unique and luxury goods, securities, banknotes, plastic cards can be marked by quantum dots ink.



Quantum dots ink is UV-curable, that allows its applying to almost any surface, such as: glass, plastic, stone, metal, film.



Quantum dots ink marking is not visible in general conditions. It won't lose its brightness and saturation, due to the quantum dots stability, and can be eliminated only with the product.

IQDEMY CHEMICALS - CREATE NEW SOLUTIONS!

Food, conductive, thermochromic, photochromic, metallized ink, ink with silver nanoparticles, special primers and protecting coatings- chemical digital printing laboratory IQDEMY can create any chemical compositions with all necessary characteristics for any production.

IQDEMY Chemicals - is:

- Qualified chemical-researchers closely collaborating with R&D institutes of Siberian Branch of Russian Academy of science;
- Up-to-date equipment for chemical inquires, testing and ink production;
- High-quality ink components of the world-known producers like: BASF, Clariant, IGM, Rahn, Altana, Kronos, Evonik.



You know – **WHAT**, our chemists know – **HOW**
LET'S CREATE FUTURE TOGETHER!





SWITZERLAND

📍 4, Techno-Pole, Sierre

☎ +41 79 198 2082

✉ chemical@iqdemy.pro

🌐 iqdemy-chemicals.pro