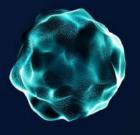
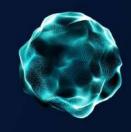
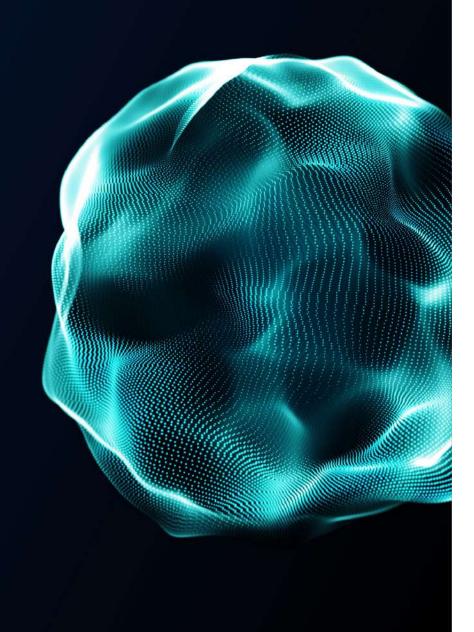


Enhance your detection



Poly-Dtech Presentation









Telephone +33 7 83 03 93 61

Address 204 Avenue de Colmar 67100 Strasbourg

Web www.poly-dtech.com

Email contact@poly-dtech.com

Enhance your detection









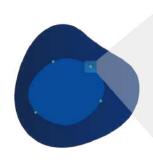
@polydtech

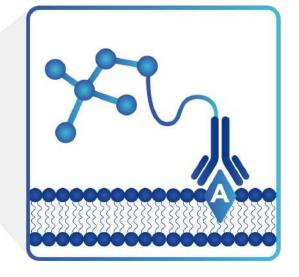
Our expertise - Our solution

Develop and produce high-performance fluorescent nanoparticles with unique characteristics to improve the detection of biomarkers

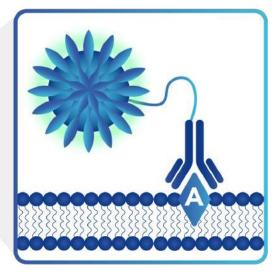
CURRENT FLUORESCENT PROBE

OUR BRIGHT-DTECHTM TECHNOLOGY











Bright-DtechTM technology

Simplified and controlled coupling

Easy addition of proteins and DNA around nanoparticles



Multi-detection

Several colors of nanoparticles available

Biocompatibility

No cell toxicity



High photostability

No signal loss

High brightness

Improvement of the detection



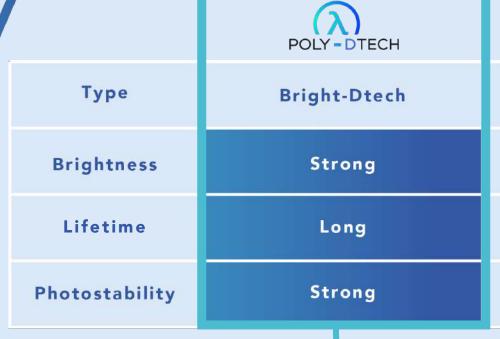
Specific spectral signature and long emission lifetime

Optimal detection of the signal compared to background noise



Our advantages

Poly-Dtech vs. Competitors



Fluorescent molecules	Quantum dots	Lanthanide complexes	Polymer nanoparticles
Medium	Medium	Weak	Strong
Short	Short	Long	Short
Weak	Strong	Strong	Medium



TRF / HTRF™ Technology

Bright-DtechTM

Available in several colors



Our products & Our services

RESEARCH PRODUCTS



Ready-to-use conjugated nanoparticles

Conjugation kits

DIAGNOSTIC PRODUCTS



TR-FRET kits
TR-FLISA kits
COVID tests

NANOPARTICLE SERVICE



Custom coupling development

Custom nanoparticle development

DIAGNOSTIC SERVICE



Custom assay development:

- TR-FRET
- TR-FLISA
- TR-Lateral Flow



Bright-DtechTM kits

Ready-To-Use conjugated nanoparticles



Choose your color

- Terbium (Green)*
- Europium (Red)*
- Samarium (Orange)
- Dysprosium (Yellow)
- Neodymium (Infrared)
- Ytterbium (Infrared)

Choose your coupling

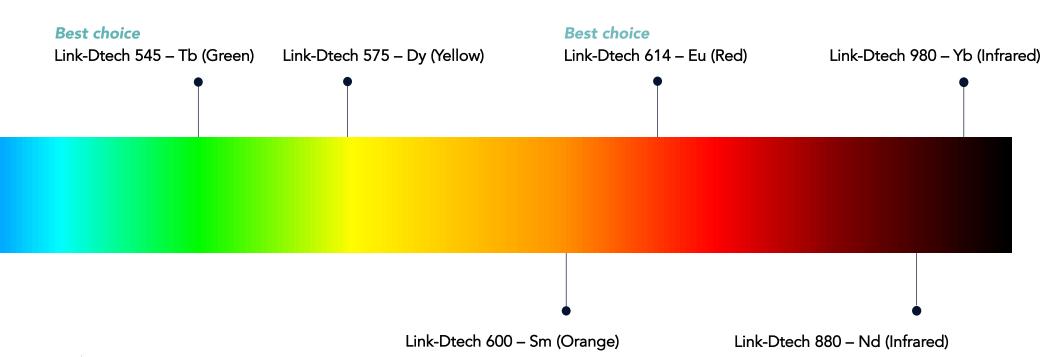
- Anti-Human IgG
- Anti-Rabbit IgG
- Anti-Goat IgG
- Anti-Mouse IgG
- Streptavidin
- Biotin
- Without coupling



^{*} Best choice

Link-DtechTM kits

Make your own couplings yourself: with the protein of your choice





TR-FLISA kits

Replace enzymatic reaction by our fluorescent nanoparticles

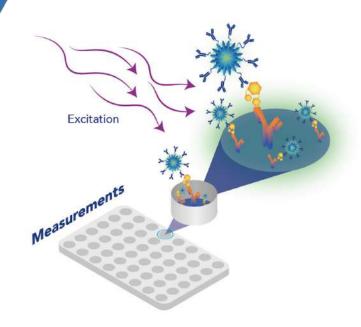




Enhance your detection

TR-FLISA kits

Discover our kits



Advantages

- Reduced working time (from 4h to 2h)
- Low background noise
- Long signal stability
- Improved LOD

Choose your biomarker

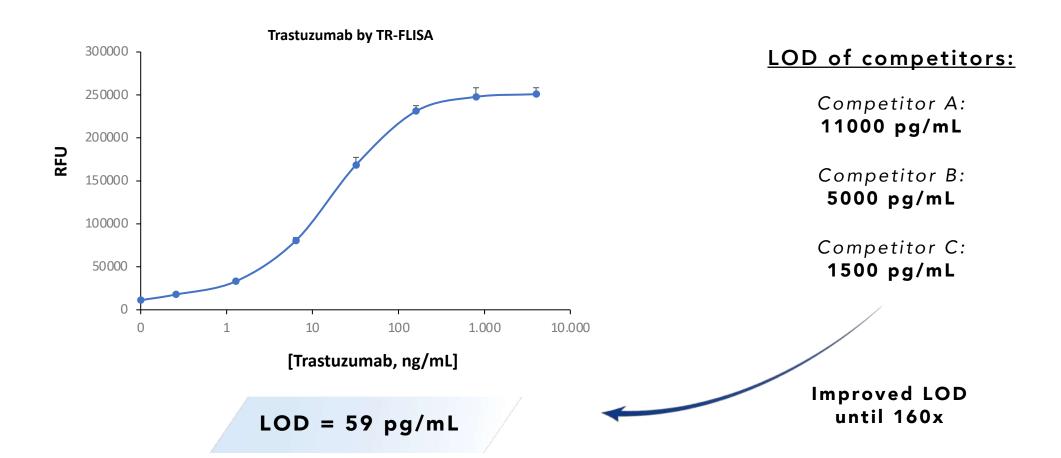
- Covid 19 (IgG α -N protein)
- Trastuzumab (α-HER2)

We are currently developing new tests in our R&D center, visit our website to discover them



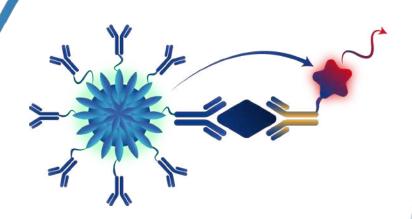
TR-FLISA kits

Example: Quantification of Trastuzumab (Indirect)



TR-FRET kits

Discover our kits



Advantages

- Fast (less 2h)
- Wash-free
- No background noise
- Improved LOD
- Improved dynamic range
- Economic

Choose your biomarker

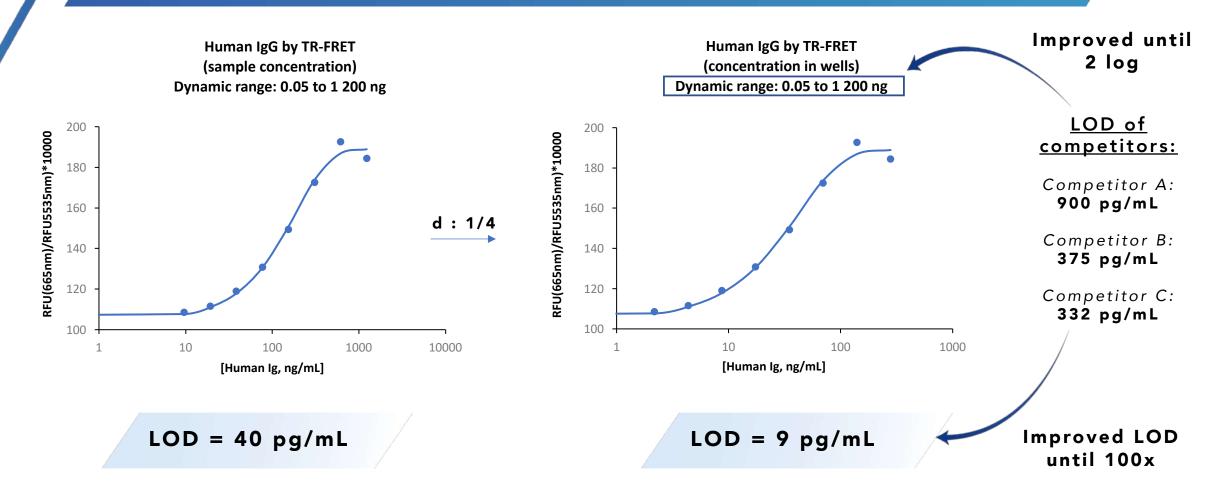
- Human IgG
- PSA

We are currently developing new tests in our R&D center, visit our website to discover them



TR-FRET kits

Example: Quantification of Human IgG (sandwich)



Our products & Our services

RESEARCH PRODUCTS



Ready-to-use conjugated nanoparticles

Conjugation kits

DIAGNOSTIC PRODUCTS



TR-FRET kits
TR-FLISA kits
COVID tests

NANOPARTICLE SERVICE



Custom coupling development

Custom nanoparticle development

DIAGNOSTIC SERVICE



Custom assay development:

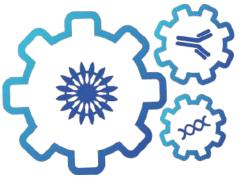
- TR-FRET
- TR-FLISA
- TR-Lateral Flow



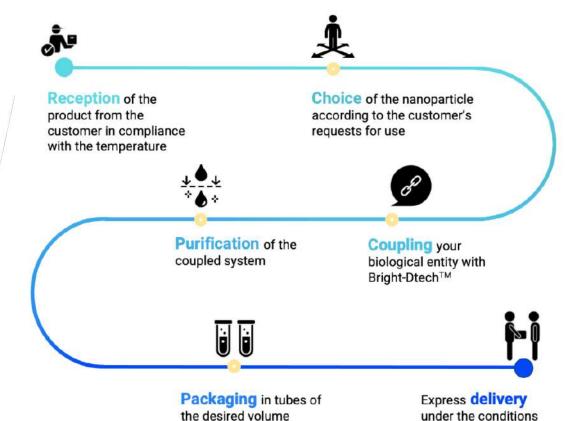
Custom Coupling Service

Entrust us your biological entity, we will couple it with our nanoparticles





- Fast
- High efficiency
- Controled coupling
- Analysis
- Made by experts
- Economic





Custom Assay Development

We develop tailor-made assay with Bright-DtechTM

SERVICE immunoassays



Custom assay development:

- TR-FRET
- TR-FLISA
- TR-Lateral Flow

1

Research & Development

- Production of nanoparticles
- Coupling
- Quality control
- Matrix
- Titration Curve

Optimization

- Couplings / concentrations
- Anticorps / nanoparticles
- Parameters / working conditions

Validation

- Specificity
- Linearity
- Sensibility
- Precision

Advantages

- No background noise
- Fast detection
- Improved performances
- Made by experts
- Economic
- Save time





QR Code Catalogue

Here you can find the QR code and the link for the catalogue with our products and services.



https://qrco.de/bdo5gx



Thank you for your attention

bpifrance













