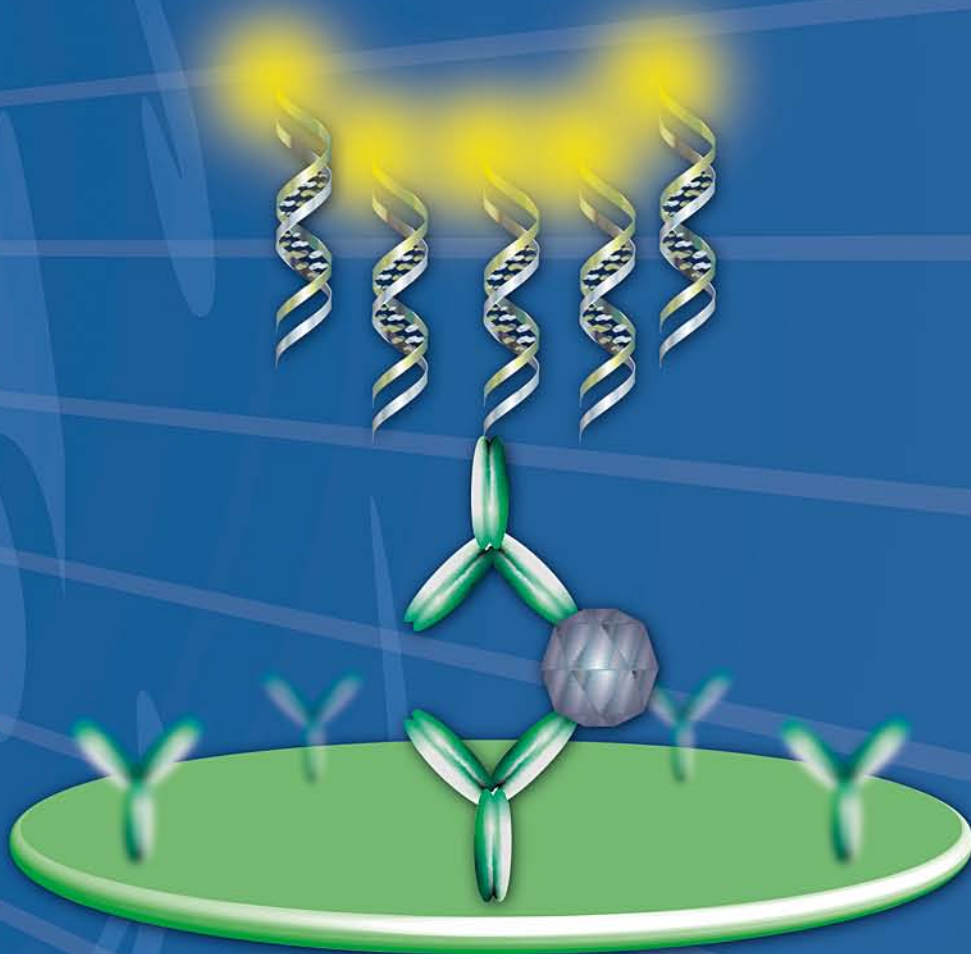




chimera biotec
ultra sensitive protein detection

Imperacer[®] Assay System



The immuno-PCR based technology platform to meet your highest demands on immunoassay sensitivity & robustness, matrix independency and sample economy

Imperacer[®]

Assay Development

Imperacer[®] Method Development Services

Antibody qualification

Imperacer[®] Fit-For-Purpose Validation

Analyte stabilization

Optimization of sample preparation

Adaption to high drug tolerance levels in immunogenicity testing

Superior assay performance in free vs. bound studies for bioavailability testing

Imperacer[®] Assay Development Services

Synthesis of antibody-DNA conjugate

Functionality studies

Assay setup & optimization

Assay validation



Bio-Analytical Services

Take advantage of our long standing experience in ultra sensitive immuno analytics

➤ Imperacer® Sample Analysis Service

Bio-analytical projects using your specific Imperacer® assay, adjustable to your study needs and sample numbers

➤ ECL or ELISA Sample Analysis Service

CRO services using commercially available MSD® or ELISA kits for medium to high sample numbers



Imperacer®

Laboratory Hardware

Implement Imperacer® in your laboratory routine



Imperacer® qPCR Cycler

Imperacer® Immuno
Washer



Imperacer® Consumables

(siliconized cups, qPCR sealing foil,
optical cover compression pads, ...)



Imperacer® User
Training

Imperacer® & AnySource®
Reagents



Complete Imperacer® laboratory
hardware solutions

Imperacer® licensing available

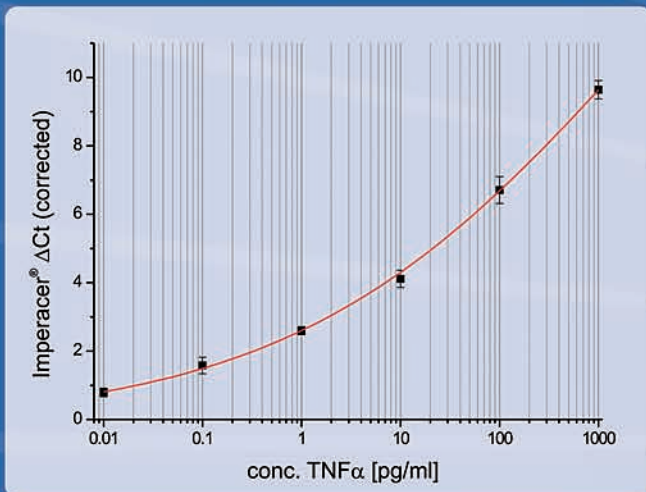
Imperacer®

Application Examples

Drug Development

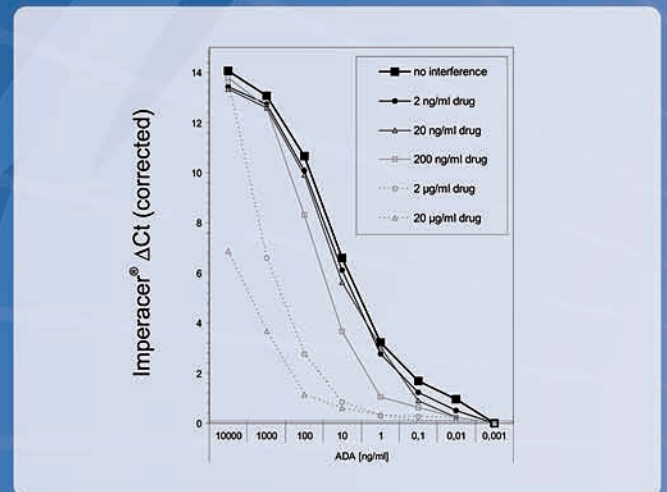
Highest sensitivity & robustness in the clinical sample

Biomarker



e.g. for precise detection of up/down regulations of Cytokines in blood
(e.g. TNFα in human serum LOD: 10 fg/ml)

Immunogenicity



Highest drug tolerance ratios:
Drug to anti-drug antibody ratios of more than 1000-fold feasible

CNS Disorders

Alternative matrices applicable:

e.g. switch from the detection in CSF to the detection in blood

Bioavailability

Free vs. bound quantification:

New possibilities in free vs. bound measurements, due to extremes in sample dilution



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Imperacer[®]

- 1000-fold increased sensitivity compared to ELISA
- Broad detection range
- Low sample volumes required

AnySource[®]

- Sample dilution technology for extreme assay robustness

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