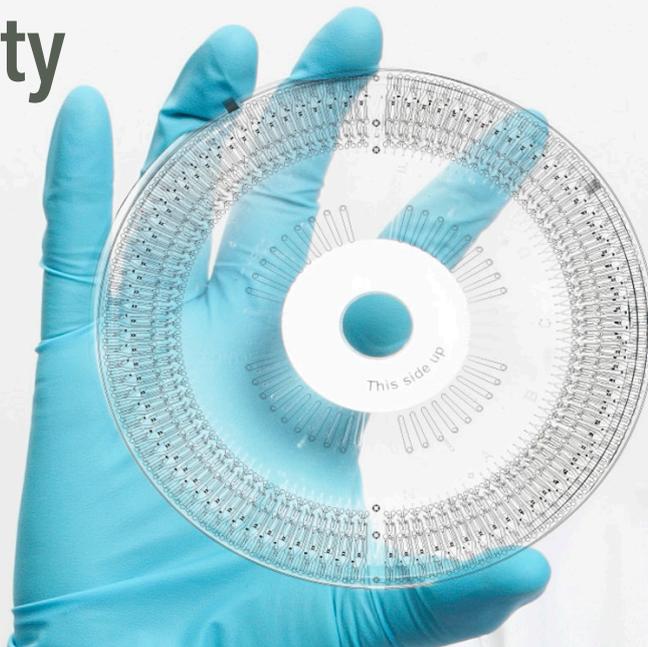


Introducing **Gyrolab® Bioaffy™ 4000 CD** for increased immunoassay sensitivity



Gyrolab® Bioaffy™ 4000 CD – a new member of the Gyrolab Bioaffy CD family

- Higher sensitivity – 4000 nL sample volume
- Proven and robust design – well-established functionality

Analytical range extended down to low- to sub pg/mL

- Gyrolab Bioaffy CD family now covers an analytical range of over 6 logs
- Seamless assay transfer between CDs

Achieve more in less time in the development of Cell and Gene Therapies and Biotherapeutics

- Increased sensitivity for PK assays
- Biomarker quantification

Gyrolab Bioaffy 4000 CD is a new member of Gyrolab Bioaffy CD family, which now covers a broad analytical range of more than 6 logs. Gyrolab Bioaffy 4000 offers extended sensitivity for PK and biomarker applications compared to Gyrolab Bioaffy 1000.

Gyrolab Bioaffy 4000 is based on the proven design of Gyrolab Bioaffy 1000 and uses a deeper volume definition structure to pass 4000 nL of sample over the streptavidin bed. As a result, sufficient analyte is captured from low concentration samples to increase immunoassay sensitivity by 2–6 fold compared with Gyrolab Bioaffy 1000 CD. This approach also enables seamless assay transfer between CD types.

Adding Gyrolab Bioaffy 4000 CD to the Bioaffy range of CDs has extended the analytical range of Gyrolab system assays even further. Independent evaluation of assay performance using Gyrolab Bioaffy 4000 CD indicates that the combination of Gyrolab assays and Gyrolab Bioaffy 4000 CD can meet the most challenging sensitivity goals for biopharmaceutical R&D.

Increased sensitivity of a biomarker assay for OX40 using Gyrolab Bioaffy 4000 CD

The results in Figure 1 have been generated using a preclinical biomarker assay developed to quantify OX40 (CD134), a T-cell co-stimulatory molecule, in cynomolgus samples using a three-step method together with Gyrolab Bioaffy 1000 CD or Gyrolab Bioaffy 4000 CD. The results suggest a 3-9 fold increase in sensitivity using Gyrolab Bioaffy 4000 CD. The data were generated by F-star Therapeutics, Cambridge, UK.

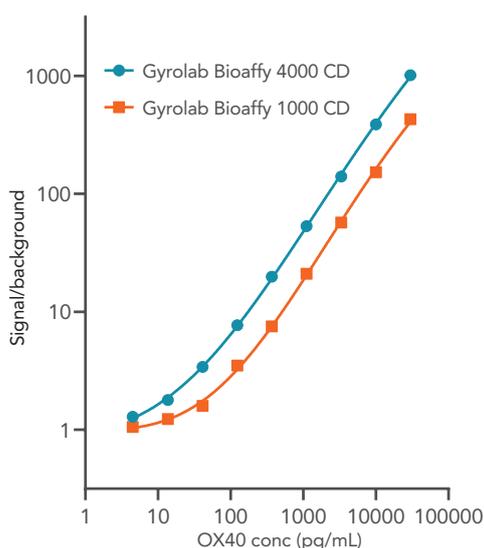


Figure 1. Standard curves for a cynomolgus OX40 assay generated with Gyrolab Bioaffy 1000 CD and Gyrolab Bioaffy 4000 CD.

Data courtesy of F-star Therapeutics.

Ordering information

Prod. No	Product Name	Requirements
P0020705	Gyrolab Bioaffy 4000 CD	Please contact your local field application specialist for software requirements.

For more information (available for download at www.gyrosproteintechnologies.com)

Product Information Sheet: Gyrolab CD's

Application Note: Rapid and sensitive multi-biomarker analysis powered by Gyroplex® panels on Gyrolab Bioaffy 4000 CD

Please visit <https://www.gyrosproteintechnologies.com/gyrolab-assays> for assay protocols using Gyrolab Bioaffy 4000 CD.

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