



Figures: with courtesy of BD Biosciences

## Assay portability: the key to efficient method transfer and high data reproducibility

The BD FACSLyric system allows to precisely define and maintain assays setting. The settings can be easily transferred from instrument to instrument. As a result the system delivers highly reproducible results from different instruments and over time

### Development of Biologics: Our Experience – Your Track to Success

IBR Inc. is a Swiss GxP-compliant contract research organization founded in 1998. With a focus on bio-analytical services for therapeutic antibodies, biologics, antibody-drug conjugates and vaccines, IBR Inc. is covering the bioanalytical needs from pre-clinical and clinical development to manufacturing. Beside a broad panel of classical bioanalytical methods, IBR Inc. offers advanced technologies including Alpha technology, TR-FRET, MSD-ECL, Gyrolab™, flow cytometry, multiplex cytometric bead array and quantitative PCR.

The IBR Inc. team has vast experience with primary cells, transformed cell lines and transfected reporter-gene cell systems as well as longstanding expertise on 2D and 3D cell based assays. IBR Inc. supports your studies from assay development to assay validation and sample measurement.



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### Features

The BD FACSLyric has been designed to achieve a high level of standardization. During assay development, the instrument and assay settings can be precisely defined and maintained. These settings can be easily transferred to another cytometer, thereby substantially reducing instrument to instrument variation. The BD FACSLyric system maximizes repeatability and accuracy of results especially for multi-site studies and simplifies assay transfers.

Assay portability, pre-defined assays for clinical and IVD applications and software equipped with 21 CFR part 11 option, facilitate the compliance with regulatory requirements.

- Assay settings are easily shared between instruments by mean of fluorescent target values (portability)
- CE-IVD certified assays and software compliance with 21 CFR part 11 (user management, audit trail, electronic signature)

- “Clinical” software (BD FACSuite™) with pre-defined assays and ready-to-print reports and “Research” software for user-defined protocol development
- Advanced automated compensation analysis and automatic compensation set on 19 BD fluorochromes specific for FACSLyric
- Easy and quick procedure for daily instrument quality checks
- Reflecting optics (“red light first” principle for increased sensitivity)
- 3 lasers (blue, red and violet, up to 10 colours)
- Picomotor to realign lasers

### Applications

IBR Inc. has a longstanding experience in multi-colour FACS analyses for functional immune cell analysis and phenotyping. The BD FACSLyric is a powerful tool designed to achieve the highest quality of results in compliance with increasingly demanding regulations.

### Immune profiling and cellular phenotyping

- Intracellular and surface marker analysis
- Functional immune cell analysis (Apoptosis, Phagocytosis and Cytotoxicity, ADCC, ADCP, immune cell proliferation)
- Cytokine quantification (multiplex BD™ Cytometric Bead Array, CBA)