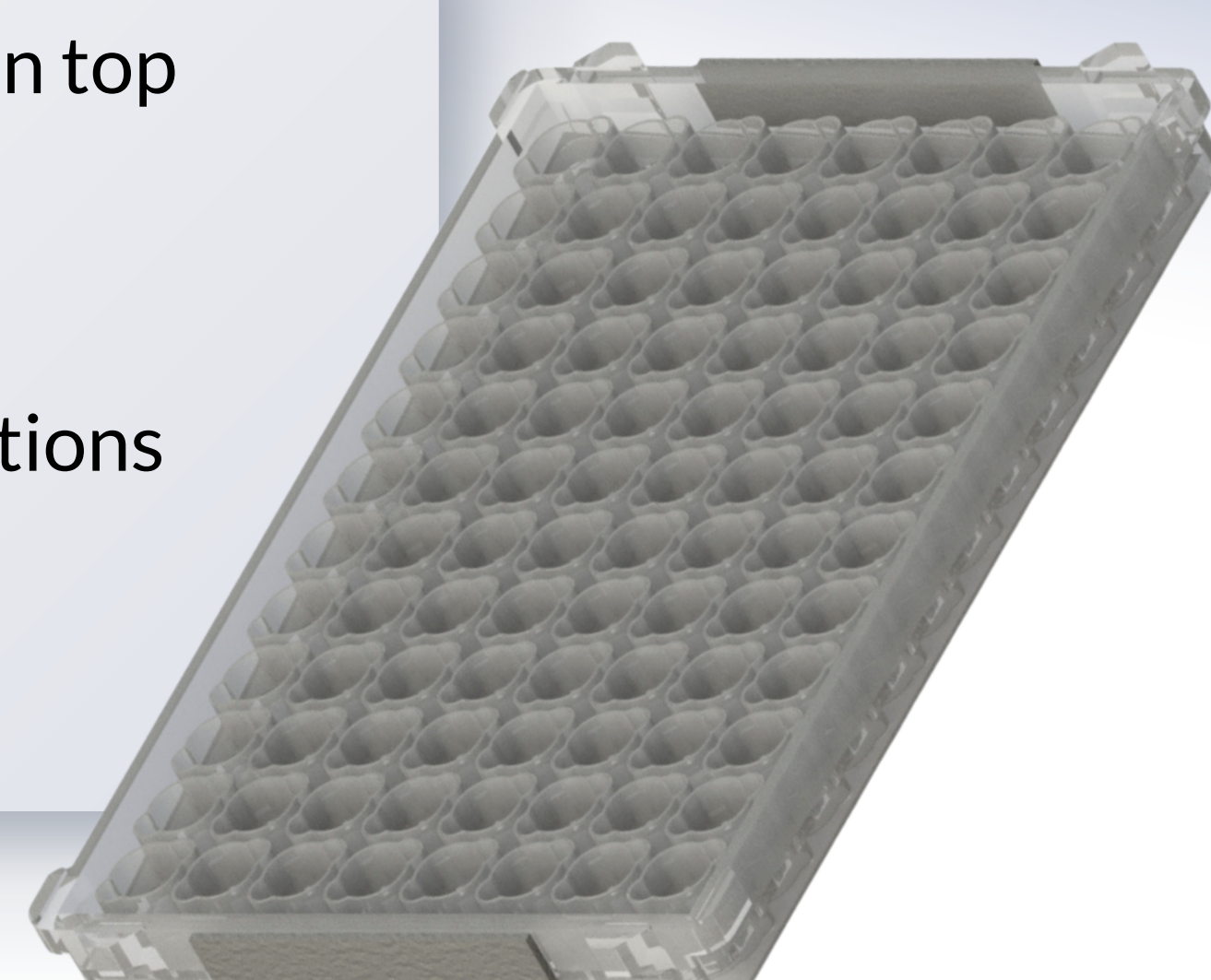


LAMINAR WASH™ DIRECT READING GRID (DRG)

A volume adapter designed for YOUR flow cytometer

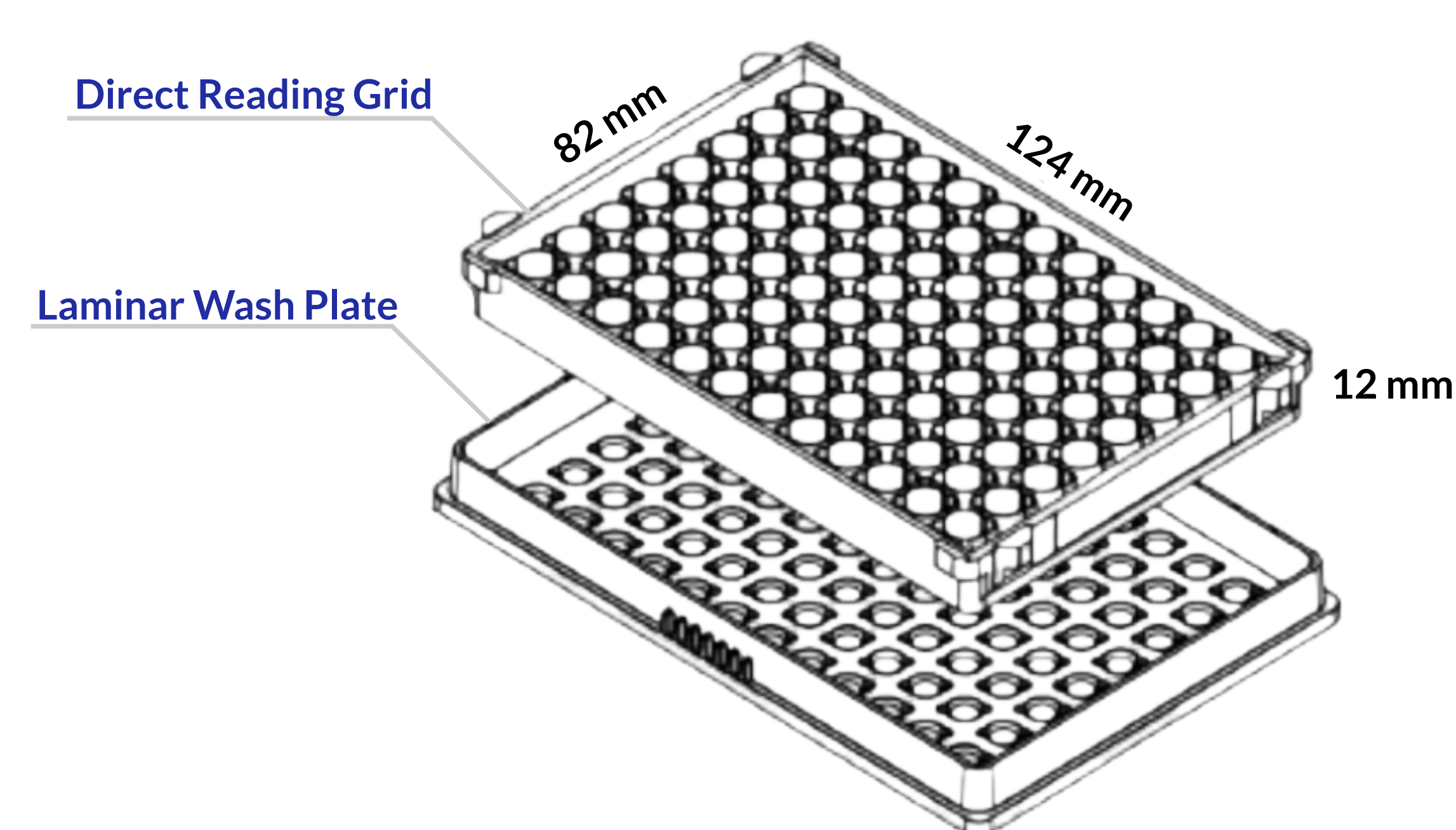
The perfect partner to the Laminar Wash™ (LW) plate, the DRG sits perfectly on top of the LW plate to:

- Increase total holding volume of the LW plate
 - Up to the max volume of 300 uL per well
- Enable direct acquisition of the sample for flow cytometry and other applications
- Reduce hands-on time
- Improve cell viability



The DRG is a disposable volume adaptor designed to sit on top of the LW plate forming physical walls around each well to increase the total holding volume of the plate for direct acquisition of samples for flow cytometry and other downstream applications.

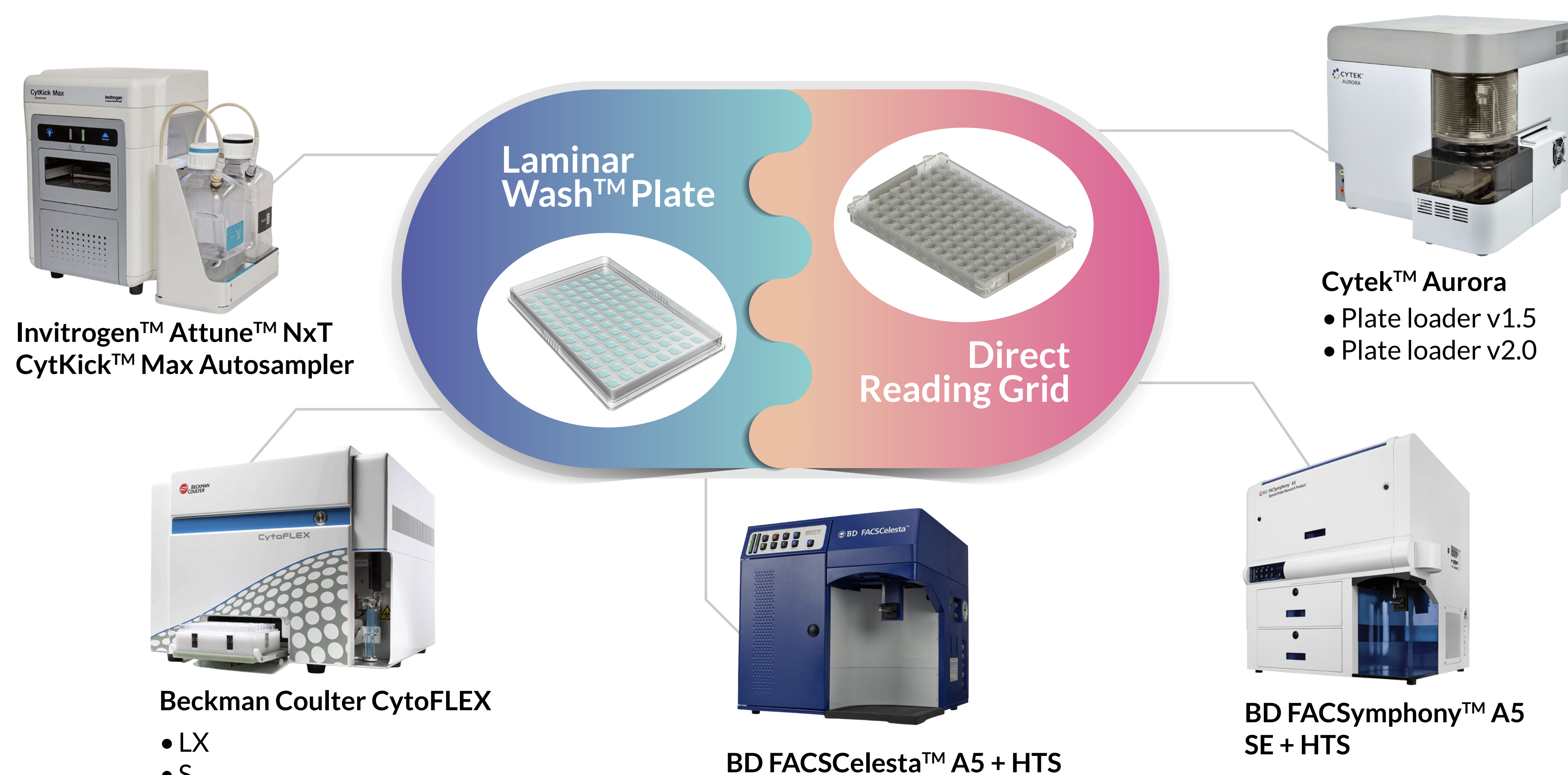
The DRG can be acquired stably on a closed flow cytometer for up to 2-3 hours (for more observations, please check with Curiox Application Support).



- Dimensions: 124 mm in length, 82 mm in width and 12 mm in height
- Storage: Store the DRG in a cool and dry place
- Waste containment: regular lab requirements for labware

Application

The DRG is meant for direct acquisition on flow cytometers. A list of validated cytometers for use with the DRG and tested parameter settings can be found below.



The acquisition parameters should be used as directions and may require optimization with your specific application and cytometer. For use on cytometers other than those validated, please reach out to your regional Field Application Scientist for assistance.

Scientific Data

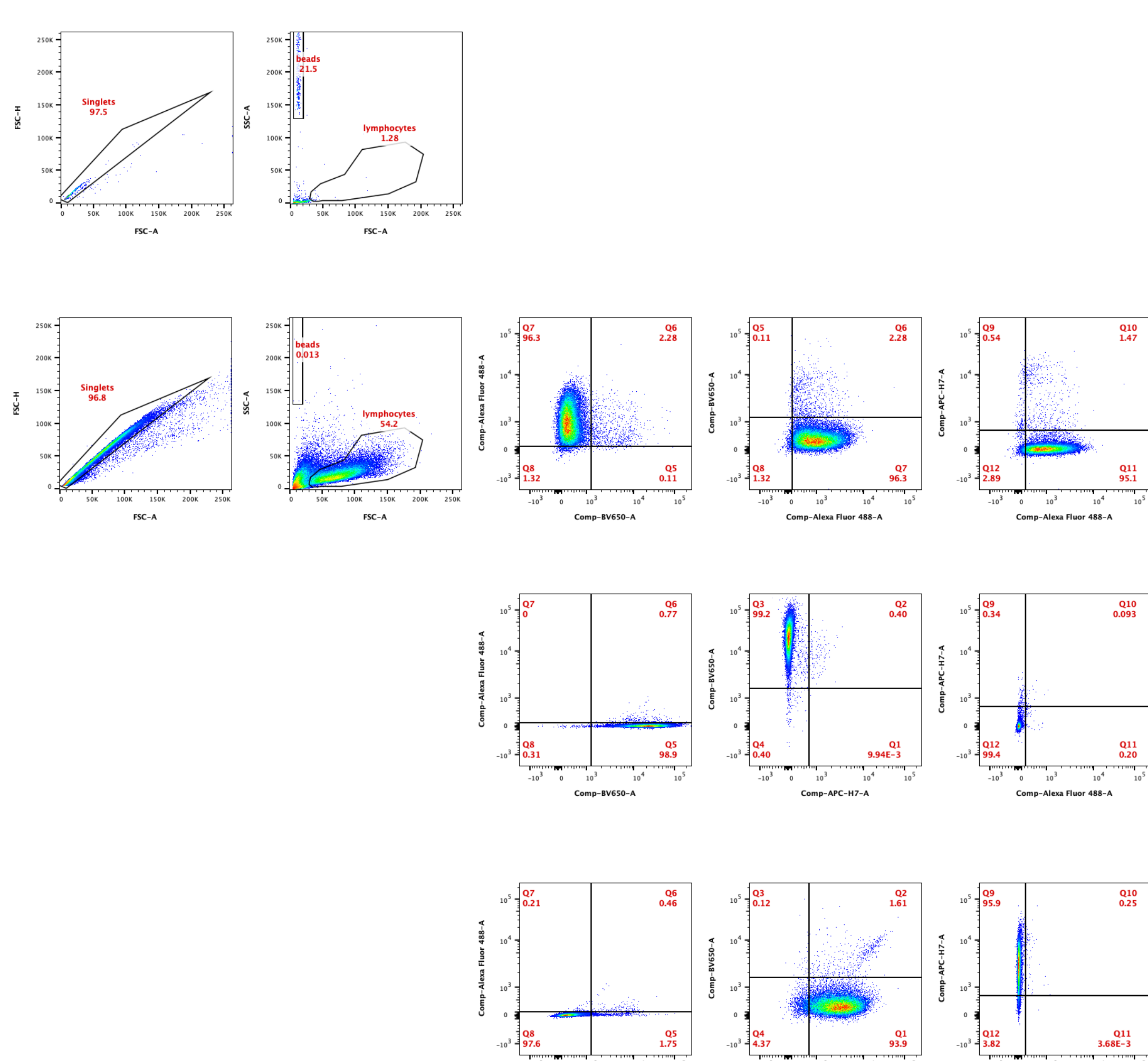
The DRG enables direct cytometer acquisition from the LW plate for better data and efficient sample preparation workflows.

The DRG + LW 96-well plate create a stable and reliable unit with increased volume capacity per well for direct cytometer acquisition, delivering consistent and reproducible data.

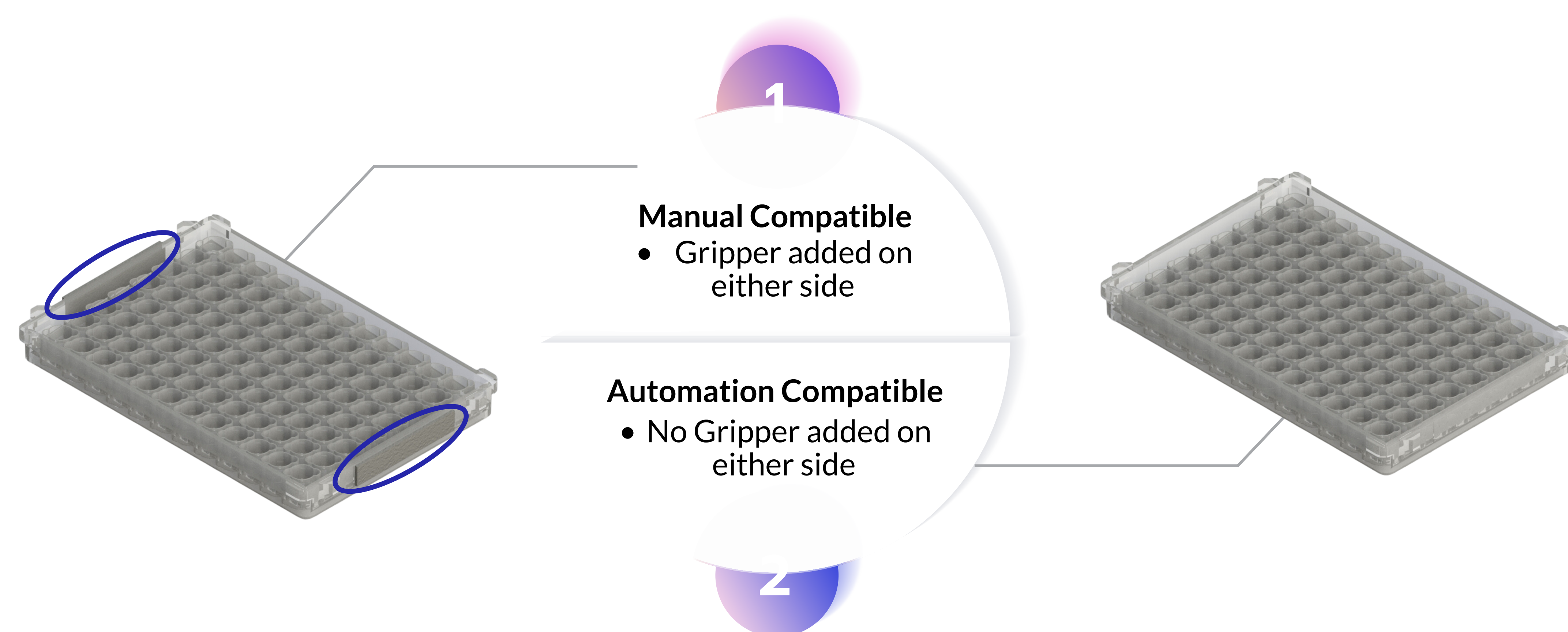
Demonstrated here is the utilization of the DRG for sample direct acquisition from the LW plate with the BD FACSCelesta with HTS flow cytometer.

Presented at the highest specified vortexing volume of 250µL, vortexing on the plate shaker, and alternating plating of samples (HL-60 cell line: 250,000 cells/well and Precision Counting Beads: 2µL/well), and reagents (mouse anti-human CD45 and 2%FBS/PBS) for detection of cross-contamination between the wells.

Enumeration of events in all 96 wells on two unique DRG+LW plate units showed no observable contamination of samples across wells. Analysis of the fluorophore on the cells also revealed that the fluorophore-bound cells were filial to their respective wells, indicating that there was no reagent or sample leakage. This was corroborated by visual observation of the LW plate and DRG during and after use.



The DRG comes in two configurations



Important Notes

- 1 One-Time Use
- 2 The DRG is for use with the LW 96-well plate only
- 3 The DRG is not prescribed for reagent incubation or for use inside the Curiox LW stations

World class support at every step of your sample preparation workflow optimization process

Support at your fingertips

Our expert technical support, including dedicated Field Application Scientists and Customer Service teams respond quickly and are available for you when you need them.

How to reach us

Find your local support or technical support team at www.curiox.com/contact-us-2/