



complexity simplified.

## Quick Reference Card

# Guava® easyCheck™ Kit 4500-0025

To verify the performance of the Guava® easyCyte™ Systems

For Research Use Only; not for use in diagnostic procedures.

### Materials Recommended

- Guava® easyCyte™ Instrument with GuavaSoft™ software
- Micropipettors and disposable micropipettor tips
- Vortex mixer
- Disposable gloves
- 20% bleach solution
- Deionized water
- Guava® Instrument Cleaning Fluid (ICF) [Catalog No. 4200-0140]
- 96-well microplate or microcentrifuge tubes (0.5 mL and 1.5 mL, or 1.2 mL titer tubes) appropriate for your system.

**NOTE:** Refer to the appropriate Guava easyCyte System user's guide for details and order information.

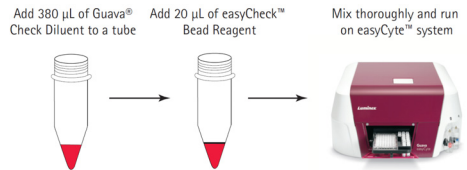
### Kit Components

- Guava® easyCheck™ Bead Reagent (Part No. 4200-0075)
- Guava® Check Diluent (Part No. 4200-0050)

### Storage Conditions

- Store Guava® easyCheck™ Kit refrigerated at 2 to 8°C. Do not freeze.

### Assay Protocol



**NOTE:** Three replicates are acquired and the results are averaged.

## Results

The result is based on the mean fluorescence intensity (MFI) values and the bead count for each replicate. The software displays the bead count (Particles/mL), FSC and SSC intensities, and the MFI for all fluorescence parameters for each replicate, as well as the averages and %CVs.

A result falls outside the acceptable range if:

- any result for an FSC or SSC intensity or MFI falls outside the range printed on the lot-specific card included with the kit.
- any result for Particles/mL falls outside the  $\pm 10\%$  of the expected value
- the %CV for Particles/mL is  $>10\%$

**NOTE:** Particles/mL counts and %CV falling outside the expected values appear in red.

- the %CV for FSC or SSC intensity or an MFI is  $>5\%$

Expected values can be found on the card that comes with the kit.

easyCheck Results													
Sample Information	Particles/mL	FSC Intensity	SSC Intensity	BLU-V MFI	GRN-V MFI	YEL-V MFI	RED-V MFI	GRN-B MFI	YEL-B MFI	RED-B MFI	NIR-B MFI	RED-R MFI	NIR-R MFI
Replicate 1	211	2432	6816	515	510	551	594	387	1712	1033	396	1130	2112
Replicate 2	211	2432	6816	515	510	551	594	387	1712	1033	396	1130	2112
Replicate 3	211	2432	6816	515	510	551	594	387	1712	1033	396	1130	2112
Average	211	2432	6816	515	510	551	594	387	1712	1033	396	1130	2112
% CV	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

**Figure.** Example data of easyCheck™ beads acquired on the Guava® easyCyte™ Instrument. Results include the bead count for each replicate, average bead count, and %CV, as well as FSC and SSC intensities and mean fluorescence intensities (MFIs) for each replicate and the averages and %CVs.

For more information on the results, refer to the appropriate Guava easyCyte System user's guide. For information on preparing and running the beads, refer to the kit user's guide, which can be found at [www.luminexcorp.com/flowkits](http://www.luminexcorp.com/flowkits).