

Quick Reference Card

Guava® ViaCount™ Reagent 4000-0040 & 4000-0041

To determine the count and viability of cellular samples

For Research Use Only. Not for use in diagnostic procedures.

Storage Conditions

Store the Guava® ViaCount™ Reagent at 2 to 8°C, protected from light.

Kit Components

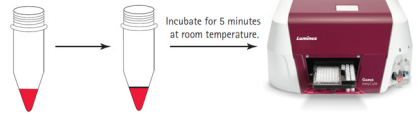
- Guava® ViaCount™ Reagent:
Catalog No. 11-25210, 40 mL
Catalog No. 11-25209, 240 mL

Materials Recommended

- Guava® System
- Cell suspension
- Micropipettors
- Disposable micropipettor tips
- Dilution buffer: Phosphate buffered saline (PBS) or equivalent balanced salt solution (pH 7.2 to 7.4), or complete growth medium
- Vortex mixer
- Disposable gloves
- Bleach
- Deionized water

Assay Protocol

Add ViaCount reagent* to each tube. Add cell suspension* to each tube.



* Use the cell concentrations and volumes in the table below as a guideline when preparing samples.

NOTE: Adherent cells have been validated for this assay. For more information, refer to the kit user's guide, which can be found at www.luminexcorp.com/flowkits.

Conc. of original cell suspension	Dilution factor	Cell suspension volume	Count & Viability volume
1×10^5 to 1×10^6 cells/mL	10	50 μ L	450 μ L
1×10^6 to 1×10^7 cells/mL	20	20 μ L	380 μ L
$>1 \times 10^7$ cells/mL	40	20 μ L	780 μ L

Expected Results

The following screen shows an example of results obtained using the Guava® ViaCount™ reagent.

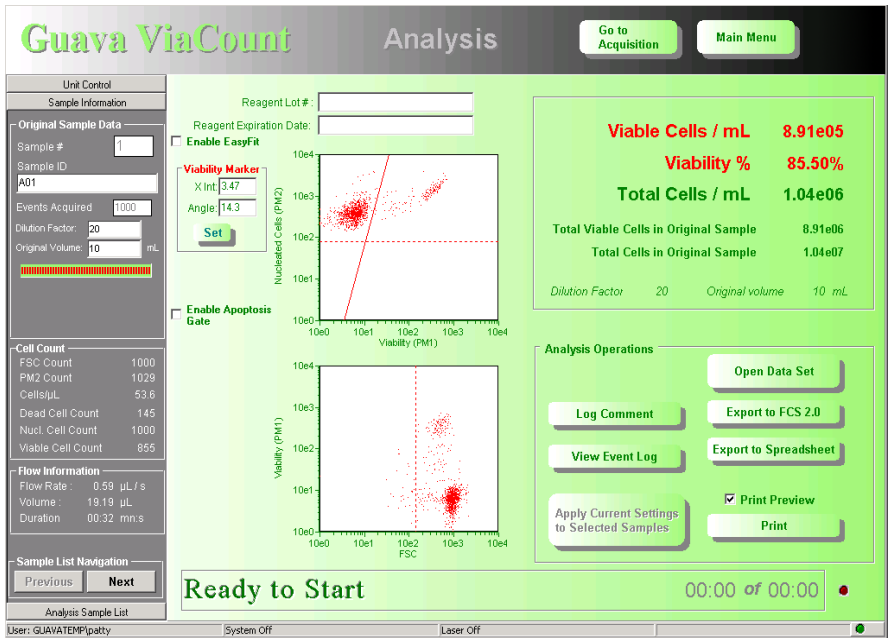


Figure. Results from healthy Jurkat cells mixed with heat-killed Jurkat cells. The sample was stained with the Guava ViaCount reagent and acquired on a Guava system using the Guava ViaCount software module. Live cells appear in the upper-left quadrant of the first plot and in the lower-right corner of the second plot. The statistics show the concentration of viable cells, the % viability, and the total cell concentration.

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