

Quick Reference Card

Muse® Cell Dispersal Reagent MCH100107

For disaggregation of clumpy cells when performing cell counts

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

Storage Conditions

- Store the Muse® Cell Dispersal Reagent at -20°C .

Kit Components

- Muse® Cell Dispersal Reagent (Part No. 4100-1790, 5 x 1.0 mL, 100 tests)

Materials Recommended

- Muse® Cell Analyzer
- Cell suspension
- Dilution buffer: Phosphate buffered saline (PBS), or equivalent balanced salt solution (pH 7.2 to 7.4), or complete growth medium
- Micropipettors
- Disposable micropipettor tips
- Microcentrifuge tubes with screw caps, 1.5 mL (VWR Catalog No. 16466-030, or equivalent)
- Muse® Count & Viability Reagent (Catalog No. MCH100102, 100 tests, or Catalog No. MCH 600103, 600 tests)
- Vortex mixer

Assay Protocol



Add 50 μL of cell suspension, 50 μL of Muse® CDR working solution,* and 150 μL of Muse® Count & Viability Reagent to each tube.

Incubate for 20 minutes at 37°C .



Add 250 μL of Muse® Count & Viability Reagent to each tube.

Incubate for 5 minutes at room temperature.



Run samples on Muse® Cell Analyzer and read results.

- * Prepare Muse® Cell Dispersal Reagent working solution (for example, for 25 tests mix 1 mL of Muse® CDR with 0.25 mL of PBS to yield 1.25 mL of CDR working solution).

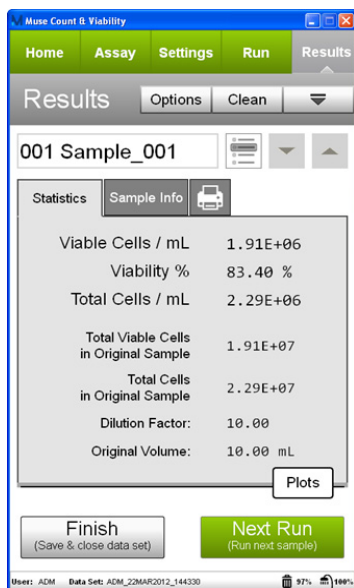
NOTE: Best results are obtained when the cell concentration is in the range of 2×10^5 to 5×10^6 cells/mL.

Expected Results

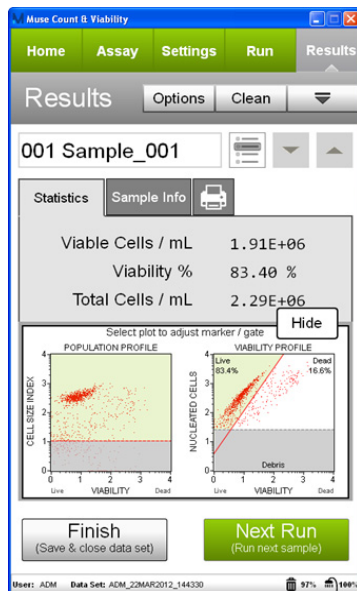
Figures A and B show an example of results obtained using the Muse[®] Cell Dispersal Reagent and the Muse[®] Count & Viability Reagent.

Figures A and B. Example Data: Results obtained with the Muse[®] Count & Viability software module using CHO-K1 cells, stained with Muse[®] Cell Dispersal Reagent and Muse[®] Count & Viability Kit, and acquired on the Muse[®] Cell Analyzer. Figure A shows results without dot plots, while Figure B shows the same results with the optional dot plots shown. The statistics show the concentration (cells/mL) of viable cells, the % viability, and the total cell concentration for the CHO-K1 cell sample shown. The first plot in Figure B shows the Viability vs Cell Size; the second plot shows the Viability vs Nucleated Cells.

A



B



For more information, refer to the kit user's guide, which can be found at www.luminexcorp.com/flowkits.

Related Products

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

- Muse[®] System Check Kit - MCH100101
- Muse[®] Count & Viability Kit (100T) - MCH100102
- Muse[®] Count & Viability Kit (600T) - MCH600103
- Muse[®] Count & Viability Kit (200X) - MCH100104
- Muse[®] Annexin V & Dead Cell Kit - MCH100105
- Muse[®] Cell Cycle Kit - MCH100106

Muse is a trademark of Luminex Corporation, registered in the U.S. and other countries.

Part No. 4600-3396 Rev C, May 2019, Printed in the USA.

© 2019 Luminex Corporation. All rights reserved.

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