

Certificate of Analysis

GeneBLAzer® M1-NFAT-*bla* Jurkat cells, 1 Vial



Combo Kit Part Number: K1710 denotes cells + documentation

Part Number: K1051 Cell Part Number

Lot Number: 39656

Immediate Storage: Liquid nitrogen or thaw for immediate use.

Shipping Conditions: dry ice overnight (or liquid N₂ followed by dry ice overnight)

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Description:

GeneBLAzer® M1-NFAT-*bla* Jurkat cells contain the human Acetylcholine (muscarinic) subtype 1 receptor (M1) stably integrated into the CellSensor® NFAT-*bla* Jurkat cell line. CellSensor® NFAT-*bla* Jurkat cells contain a beta-lactamase reporter gene under control of the Nuclear Factor of Activated T-cells (NFAT) response element.

Quantity of Cells: ~ 5,000,000 cells/vial at 5,000,000 cells/mL

Harvest Density:

This lot of cells was harvested at a density of 2000000 cells/mL for the functional QC testing. A similar harvest density is recommended for your experiments.

Passage Number: 8

Cell Phenotype: Lymphoblast

Growth Properties: Suspension

Antibiotic Selection: Zeocin™, 100 µg/mL, Geneticin® 500 µg/mL

Storage and Handling:

After shipment either thaw for immediate use or store in liquid nitrogen. **Cells stored for more than 1 day at -80°C quickly lose viability.** If properly banked, cells are guaranteed for six months in liquid nitrogen.

Storage Buffer:

Recovery™ Cell Culture Freezing Medium (Invitrogen #12648-010).

Biosafety Level: 1

Seeding Density:

Thaw, count and seed. Suggested seeding density 100000-200000 cells/mL.

Instrument Settings:

The GeneBLAzer® M1-NFAT-*bla* Jurkat cells requires a fluorescence plate reader capable of doing FRET and filters in the **excitation filter at 360 nm and an emission filter at 485 nm** range. When used with the LiveBLAzer™ or ToxBLAzer™ substrate an instrument capable of bottom reads is required. For instrument specific set-up information go to www.invitrogen.com/instrumentsetup.

Protocol or Product Information Sheet:

Visit www.lifetechnologies.com, search on the cell or kit part number and select manuals.

QUALITY ASSURANCE

Lot Specific Testing

Mycoplasma: Negative

Functional Testing:

Each lot of the GeneBLAzer® M1-NFAT-*bla* Jurkat cells is tested for performance using the LiveBLAzer™ substrate. **Pass**

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Part Number: K1051, Lot Number: 39656



Tony Goossens, Engineer II, QA/QC

Date: 05/Feb/2015

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ToxBLAzer™ is a trademark of Life Technologies Corporation.

Recovery™ is a trademark of Life Technologies Corporation.

Zeocin™ is a trademark of InvivoGen.

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For questions, please contact our Technical Support Team

N. Am Ph#: 800-955-6288 or INTL Ph#: 760-603-7200 Select option 5, ext. 40266 Email: drugdiscoverytech@lifetech.com

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