

Certificate of Analysis

GeneBLAzer® GCGR-CRE-*bla* CHO-K1 Cells, 1 Vial



Combo Kit Part Number: K1855 denotes cells + documentation

Part Number: K1855A Cell Part Number

Lot Number: 43479Z1

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® GCGR-CRE-*bla* CHO-K1 cells contain the human glucagon receptor (GCGR), stably integrated into the CellSensor® CRE-*bla* CHO-K1 cell line. CellSensor® CRE-*bla* CHO-K1 cells contain a beta-lactamase reporter gene under control of the CRE Response Element.

Accession Number: NM_000160

Quantity of Cells: ~ 12,000,000 cells/vial at 12,000,000 cells/mL

Harvest Density:

The harvest density for GeneBLAzer® GCGR-CRE-*bla* CHO-K1 Cells for the functional QC testing is not available.

Population Status: Pool of stable cells

Passage Number: 7

Cell Phenotype: Epithelial

Growth Properties: Adherent

Antibiotic Selection:

Blasticidin 5 µg/mL, Hygromycin 600 µg/mL

YFP Marker: No

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:

The seeding density for GeneBLAzer® GCGR-CRE-*bla* CHO-K1 Cells is not available.

Instrument Settings:

The GeneBLAzer® GCGR-CRE-*bla* CHO-K1 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® GCGR-CRE-*bla* CHO-K1 Cells is tested for performance using the LiveBLAzer™ substrate. **Pass**



Nicole Jokl, QA Engineer

Date: 23/Jul/2013

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