

Certificate of Analysis

Tango™ CXCR2-*bla* U2OS cells, 1 Vial



Combo Kit Part Number: K1521 denotes cells + documentation

Part Number: K1521A Cell Part Number

Lot Number: 1860685

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:

Tango™ CXCR2-*bla* U2OS cells contain the Chemokine (C-X-C motif) Receptor 2 (CXCR2) linked to a TEV protease site and a Gal4-VP16 transcription factor stably integrated into the Tango™ GPCR-*bla* U2OS parental cell line. This parental cell line stably expresses a beta-arrestin/TEV protease fusion protein and the beta-lactamase (*bla*) reporter gene under the control of a UAS response element.

Accession Number: NM_001557.2

Quantity of Cells: ~ 8,000,000 cells/vial at 8,000,000 cells/mL

Harvest Density:

This lot of cells was harvested at a density of 110,000 cells/cm² for the functional QC testing. A similar harvest density is recommended for your experiments.

Population Status: Pool of stable cells

Passage Number: 13

Cell Phenotype: Epithelial

Growth Properties: Adherent

Cytoplasmic Tail: Tail from GRPR GPCR

Antibiotic Selection:

Zeocin™ 200 µg/mL, Hygromycin 50 µg/mL, Geneticin® 100 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 Tango™ CXCR2-*bla* U2OS cells is not available.

Instrument Settings:

The Tango™ CXCR2-*bla* U2OS 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 Tango™ CXCR2-*bla* U2OS cells is tested for performance using the LiveBLAzer™ substrate. **Pass**

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Ann Leonard

Date: 19/Jan/2017

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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