

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/5-HT4/Gqi5
Cat. No.	M00444
Lot No.	R10032101-2
Host Cell:	CHO-K1/Gqi5
Target Gene:	5-HT4
Quantity:	2 vials of frozen cells, > 1x10 ⁶ cells/vial
Shipping Condition:	Dry Ice
Recommended	
Storage Condition:	Liquid Nitrogen

Stable Cell Line Information

Recommended Cell Culture Medium: Ham's F-12K, 10% FBS, 400 µg/ml G418, 200 µg/ml Hygromycin B

Freeze Medium: 45% culture medium, 45% FBS, 10% DMSO

Application: Calcium flux assay on 5-HT4 receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	98%
Function assay	Calcium flux assay	EC ₅₀ =8.349×10 ⁻⁹ M

* The mycoplasma test was performed with MycoAlert™ PLUS Mycoplasma Detection Kit of Lonza.

Appendix

Calcium Flux assay

Agonist Test of Calcium Flux Assay on CHO-K1/5-HT4/Gqi5 cells

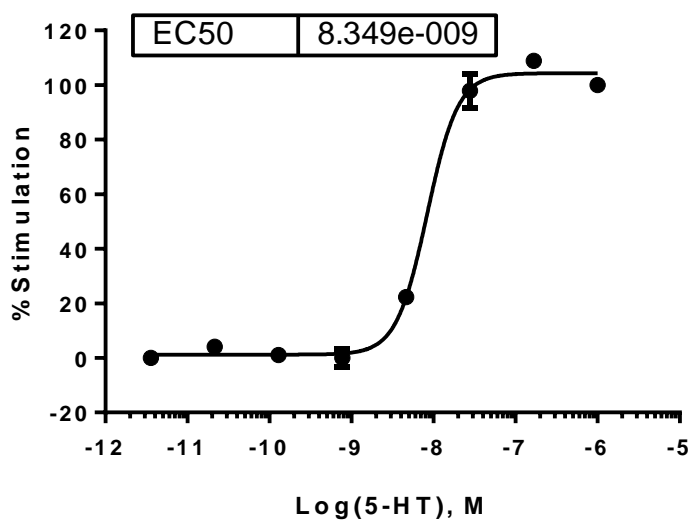


Figure 1. 5-HT induced intracellular Calcium Flux in CHO-K1/5-HT4/Gqi5 cells, $EC_{50}=8.349 \times 10^{-9}$ M.

Caution

For research use only. Not intended for household use. If you have any questions about the Certificate of Analysis, please contact our customer service representative at 1-877-436-7274 (Toll-Free), or 1-732-885-9188.

Certified by: *Dan Jiang* Date: 03/31/2021
Department of New Technology