

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/5-HT2A
Cat. No.	M00251
Lot No.	R10081906-3
Host Cell:	CHO-K1
Target Gene:	5-HT2A
Quantity:	2 vials of frozen cells, > 3x10 ⁶ cells/vial
Shipping Condition:	Dry Ice
Storage Condition:	Liquid Nitrogen recommended, thaw and recovery the cells in 1 year from date received

Stable Cell Line Information

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

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

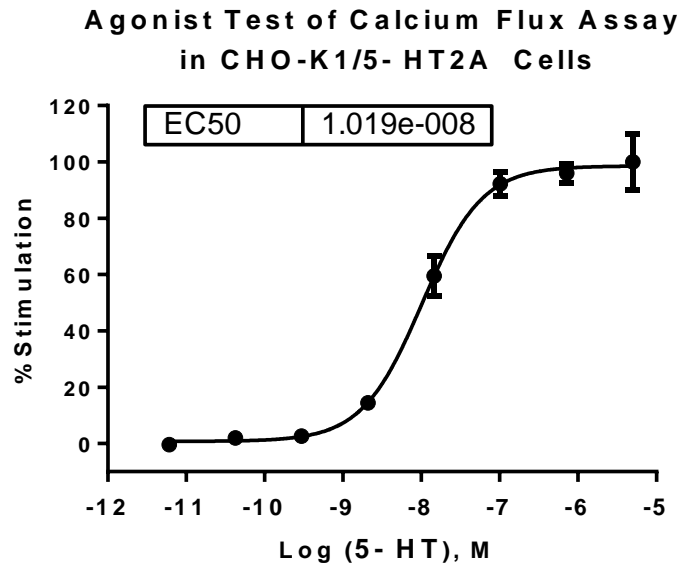
Application: Calcium flux assay on 5-HT2A receptor.

Test Item	Specification	Result
Mycoplasma	Negative*	Negative*
Cell viability	>90%	95%
Function assay	Calcium Flux assay	EC ₅₀ =1.019×10 ⁻⁸ M

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

Appendix

Calcium Flux Assay



5-HT induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/5-HT2A cells, $EC_{50}=1.019 \times 10^{-8}$ 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: 07/28/2020
Department of New Technology