

CERTIFICATE OF ANALYSIS

Product Information

Product Name	CHO-K1/M1
Cat. No.	M00185
Lot No.	D2151402
Host Cell:	CHO-K1
Target Gene:	M1
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 F12 + 10% FBS + 200 µg/ml Zeocin

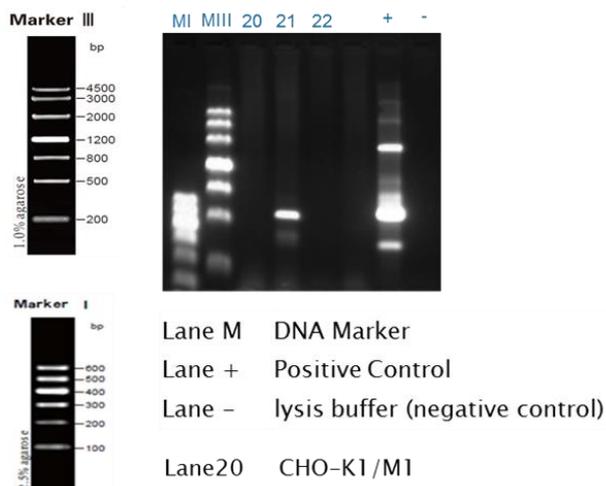
Freeze Medium: 45% Culture Medium, 45%FBS, 10% (V/V) DMSO

Application: Functional assay for M1

Test Item	Specification	Result
Mycoplasma 160	Negative.	Negative, Appendix 1
Functional assay	Calcium flux	EC ₅₀ = 25 nM

Appendix

Appendix 1: Mycoplasma 160



Appendix 2 : Calcium assay

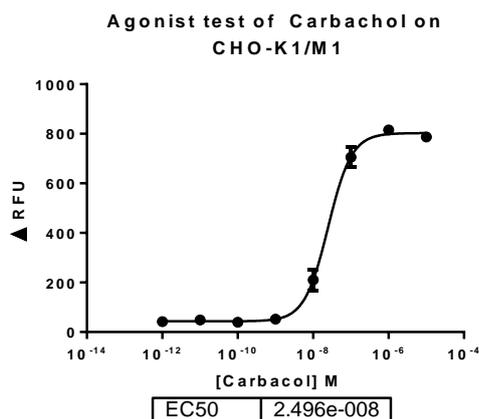


Figure 1. Carbachol-induced concentration-dependent stimulation of intracellular calcium mobilization in CHO-K1/M1 cells. The cells were loaded with Calcium-4 prior to stimulation with an M1 receptor agonist, carbachol. The intracellular calcium change was measured by FLIPR. The relative fluorescent units (RFU) were plotted against the log of the cumulative doses (10-fold dilution) of carbachol (Mean ± SD, n = 2). The EC50 of carbachol on M1 in CHO-K1 cells was 25 nM. The S/B of carbachol on M1 in CHO-K1 cells was 25.

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:  Date: 08/23/2017
 Department of Biologics Development Director