

Materials List for:

# High-throughput Analysis of Mammalian Olfactory Receptors: Measurement of Receptor Activation via Luciferase Activity

Casey Trimmer<sup>1</sup>, Lindsey L. Snyder<sup>1</sup>, Joel D. Mainland<sup>1</sup>

<sup>1</sup>Monell Chemical Senses Center

Correspondence to: Joel D. Mainland at [jmainland@monell.org](mailto:jmainland@monell.org)

URL: <https://www.jove.com/video/51640>

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## Materials

Name	Company	Catalog Number	Comments
Hana3A cells	Avaiable from the Matsunami Laboratory upon request		
RTP1S-pCI	Avaiable from the Matsunami Laboratory upon request		
M3-R-pCI	Avaiable from the Matsunami Laboratory upon request		
pCRE-luc	Agilent	219076	<a href="#">LUC</a>
pSV40-RL	Promega	E2231	<a href="#">RL</a>
Minimum Essential Media, Eagle	Sigma Aldrich	M4655	<a href="#">MEM</a>
FBS	Life Technologies	16000-044	<a href="#">FBS</a>
PBS (without Ca <sup>2+</sup> and Mg <sup>2+</sup> )	Cellgro	21-040-CV	<a href="#">PBS</a>
Trypsin (0.05% Trypsin EDTA)	Life Technologies	25300	<a href="#">Trypsin</a>
CD293	Life Technologies	11913-019	<a href="#">CD293</a>
96-well PDL white/clear plate	BD BioCoat	356693	<a href="#">plates</a>
Lipid transfection reagent: Lipofectamine 2000	Life Technologies	11668-019	<a href="#">Lipofectamine</a>
Firefly luciferase substrate, firefly luciferase quencher/ <i>Renilla</i> luciferase substrate: Dual-Glo Assay	Promega	E2980	<a href="#">dual glo</a>
Synergy S2	BioTek	SLAD	<a href="#">BioTek S2</a>
Microplate reader software: Gen5 Data Analysis Software	BioTek	Gen5	<a href="#">Gen5</a>
BIOSTACK	BioTek	BIOSTACK2WR	<a href="#">BioStack</a>
Multiflo	BioTek	MFP	<a href="#">MultiFlo</a>
300 µl GripTips	Integra	4433	<a href="#">GripTips</a>
12.5 µl GripTips	Integra	4414	<a href="#">GripTips</a>
300 µl GripTips ViaFlo96	Integra	6433	<a href="#">XYZ tips</a>
12.5 µl GripTips 384 XYZ	Integra	6403	<a href="#">XYZ tips</a>
384ViaFlo	Integra	6030	<a href="#">384ViaFlo</a>
TE buffer	Macherey Nagel	740797.1	
DMSO	Sigma Aldrich	D2650-100ML	<a href="#">DMSO</a>
Forskolin	Enzo Life Sciences	BML-CN100-0010	<a href="#">FOR</a>