

Materials List for:

# Real-Time Impedance-based Cell Analyzer as a Tool to Delineate Molecular Pathways Involved in Neurotoxicity and Neuroprotection in a Neuronal Cell Line

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URL: <https://www.jove.com/video/51748>

DOI: [doi:10.3791/51748](https://doi.org/10.3791/51748)

## Materials

Name	Company	Catalog Number	Comments
xCELLigence RTCA SP system bundle	ACEA Biosciences	No: 00380601030	Consists of RTCA Analyzer, RTCA SP Station and RTCA Control Unit
E-plate 96	ACEA Biosciences	No: 05232368001	For culturing the cells, inserted in the RTCA SP Station
SK-N-SH cells	ATCC (in partnership with LGC Standards)	HTB-11	Can be replaced by another adherent neuronal cell line of interest
DMEM/F12	Sigma-Aldrich	D8437	Cell culture medium
Fetal bovine serum	Life Technologies	16140-063	Supplements proliferation, but not serum deprivation medium
Tissue culture flask T175	Sarstedt	83.1812.302	For culturing cells, which will be later plated on the E-Plate 96
0.05% Trypsin-EDTA	Life Technologies	25300-054	For trypsinization of cells cultured in tissue culture flasks
Scepter 2.0 cell counter	Merck Millipore	PHCC20060	Automated cell counter
Phosphate-buffered saline	Life Technologies	10010-015	For washing the cells
(±)-DOI hydrochloride	Sigma-Aldrich	D101	5-HT <sub>2A</sub> agonist for cell culture treatment
LY-294002 hydrochloride	Sigma-Aldrich	L9908	PI3-K inhibitor for cell culture treatment
Lisuride maleate	Tocris Bioscience	4052	Compound with 5-HT <sub>2A</sub> agonistic activity for cell culture treatment
Dimethyl sulfoxide	Sigma-Aldrich	D4540	For dissolving LY-294002 and lisuride maleate