

Establishing 3-Dimensional Spheroids from Patient-Derived Tumor Samples and Evaluating their Sensitivity to Drugs

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Materials

Name	Company	Catalog Number	Comments
5 Fluorouracil	TEVA Israel	lot 16c22NA	Fluorouracil, Adrucil
Accutase	Gibco	A1110501	StemPro Accutase Cell Dissociation
Cisplatin	TEVA Israel	20B06LA	Abiplatin,
Cultrex	Trevigen	3632-010-02	Basement membrane matrix, type 3
DMSO (dimethyl sulfoxide)	Sigma Aldrich	D2650-100ML	
Fetal bovine serum (FBS)	Thermo Fisher Scientific	2391595	
Fluorometer ELISA reader	Biotek	Synergy H1	Gen5 3.11
Hydrochloric acid (HCl)	Sigma Aldrich	320331	for stop solution
ImageJ	National Institutes of Health, Bethesda, MD, USA	Version 1.52a	Open-source software ImageJ
Isopropanol	Gadot	P180008215	for stop solution
L-glutamine	Gibco	1843977	
MTT	Sigma Aldrich	M5655-1G	3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide
Non-essential amino acids	Gibco	11140050	
Palbociclib	Med Chem Express	CAS # 571190-30-2	
PBS	Gibco	14190094	Dulbecco's Phosphate Buffered Saline (DPBS)*Without Calcium and Magnesium
Penicillin–streptomycin	Invitrogen	2119399	
Phenol-free RPMI 1640	Biological industries, Israel	01-103-1A	
Pipetting reservoir	Alexred	RED LTT012025	
RPMI-1640 culture medium	Gibco	11530586	
Sunitinib	Med Chem Express	CAS # 341031-54-7	
Trastuzumab	F. Hoffmann - La Roche Ltd, Basel, Switzerland	10172154 IL	Herceptin

Trypan blue 0.5% solution	Biological industries, Israel	03-102-1B	
Ultra-low attachment 96 well plate	Greiner Bio-one	650970	
Vinorelbine	Ebewe	11733027-03	Navelbine