

Materials List for:

***In Vitro* Imaging and Quantification of the Drug Targeting Efficiency of Fluorescently Labeled GnRH Analogues**

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Materials

Name	Company	Catalog Number	Comments
EBC-1	JCRB Cell Bank	JCRB0820	Human lung squamous cell carcinoma
BxPC-3	ATCC	CRL-1687	Human pancreatic adenocarcinoma
Detroit-562	ATCC	CCL-138	Human pharyngeal carcinoma
RPMI-1640 Medium with L-glutamine	Lonza	BE12-702F	Culture medium for BxPC-3 cells
Eagle's Minimum Essential Medium	Lonza	BE12-611F	Culture medium for EBC-1 cells, and complemented with 0.1% sodium pyruvate for Detroit-562 cells
Fetal Bovine Serum	Euro Clone	ECS0180L	Complements the culture medium
MycoZap Plus-CL	Lonza	VZA-2012	Complements the culture medium (antibiotics)
Standard Line Cell Culture Flasks	VWR	10062-872	Provide consistent, sterile growth environment for cells
Trypsin-EDTA Mixture	Lonza	BE17-161E	Remove attached cells
Phosphate Buffered Saline (PBS)	Lonza	BE17-516F	Solvent
Dimethyl sulfoxide	Sigma-Aldrich	D8418-100ML	Solvent
Trypan Blue Solution, 0.4%	Thermo Fisher Scientific	15250061	Used to counting cells
[D-Lys ⁶ (FITC)]-GnRH-I	made by us	-	Purity ≥98% (HPLC)
[D-Lys ⁶ (FITC)]-GnRH-II	made by us	-	Purity ≥98% (HPLC)
[Lys ⁸ (FITC)]-GnRH-III	made by us	-	Purity ≥98% (HPLC)
glass bottom 8-well microscopic slide	Ibidi	80826	Use in CLSM experiment
Corning Costar cell culture plate, 12 well	Sigma-Aldrich	CLS3513-50EA	Use in FACS experiment
Fixing solution (10% neutral buffered formalin)	Bio-Optica	01V60P	Fix adherent cells
Bovine Serum Albumin	Sigma-Aldrich	A7906-10G	Prevent the nonspecific binding of the antibodies
GnRHR Antibody	Proteintech	19950-1-AP	Immunocytochemistry reagent, bind to the human type-I GnRH receptors
Secondary Antibody, Alexa Fluor 546 conjugate	Thermo Fisher Scientific	A11035	Immunocytochemistry reagent, bind to the primary antibody
Fluorescent probe solution (Draq5)	Thermo Fisher Scientific	62254	Counterstain nuclei

Fluoromount Aqueous Mounting Medium	Sigma-Aldrich	F4680-25ML	Use in CLSM experiment, preserving fluorescence
Inverted microscope	Elektro-Optika Ltd.	Alpha XDS-2T	Check the phenotype and confluency of cell cultures
Inverted confocal laser scanning microscope	Zeiss	LSM-710	Use in CLSM experiment
Flow cytometer	BD Biosciences	BD FACSCalibur	Use in FACS experiment