

Materials List for:

Imaging Cell Viability on Non-transparent Scaffolds — Using the Example of a Novel Knitted Titanium Implant

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Materials

Name	Company	Catalog Number	Comments
6/24/48 well plates, T25/ T75 culture flask	Greiner Bio-One GmbH	*	
* 24 well plates	Greiner Bio-One GmbH	CELLSTAR 662 160	
* 48 well plates	Corning Incorporated USA	3548	
* 6 well plates	Falcon	353046	
* T25	Greiner Bio-One GmbH	690 175	
* T75	Greiner Bio-One GmbH	658 175	
Acetic acid, purum ≥ 99.0%	Carl Roth	3738.4	
Acetone	Carl Roth	5025.1	
Axioplan-2	Carl Zeiss, Germany		
Biological safety cabinets	Thermo Scientific	safe 2020	
Calcein acetoxymethyl ester (calcein AM)	Sigma	17783	
Cell Culture Incubator	Binder, Tuttlingen, Germany	9040-0078	
Filter unit (0.22 µm)	Millipore, IRL	SLGP033RS	
Centrifuges 5810 R And 5417 R	Thermo Fisher Scientific, NY	Megafuge 40R	
Dimethylsulfoxid (DMSO)	Carl Roth	4720.2	
Dulbecco's PBS without Ca & Mg	Sigma	H15-002	
Ethanol 99%	SAV liquid prod. GmbH	475956	
Ethidium homodimer	Sigma	46043	
EVOS Fluorescence imaging system	Life technologies	AMF4300	
Fetal Bovine Serum (FCS)	Gibco	10270-106	
Hemocytometer	Hausser Scientific, PA, USA		
Hoechst 33342	Sigma	14533-100MG	
Knitted titanium nucleus implant	Buck co & KG, Germany		
MEM Alpha Modification with Glutamine w/o nucleoside	Sigma	E15-832	
Omega microplate Reader	BMG Labtech, Germany	FLUOstar Omega	
Penicillin/Streptomycin	Sigma	P11-010	
Resazurin sodium salt	Sigma	199303-1G	
Sulforhodamine B sodium salt	Sigma	S1402-1G	
Test tube rotator	Labinco B.V., The Netherlands	Model LD-76	

TRIS (hydroxymethyl) aminomethan	Carl Roth	AE15.1	
Triton	Carl Roth	3051.2	
Trypan Blue 0.5%	Carl Roth	CN76.1	
Trypsin/EDTA	Sigma	L11-004	