

Materials List for:

# The Organoid Reconstitution Assay (ORA) for the Functional Analysis of Intestinal Stem and Niche Cells

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URL: <https://www.jove.com/video/56329>

DOI: [doi:10.3791/56329](https://doi.org/10.3791/56329)

## Materials

Name	Company	Catalog Number	Comments
Advanced DMEM F12 *	Thermo Fisher Scientific	12634-010	
Glutamax *	Thermo Fisher Scientific	35050061	Final concentration: 10 mM
Penicillin/streptomycin *	Thermo Fisher Scientific	15140122	Final concentration: 1%
Hepes *	Thermo Fisher Scientific	15630080	Final concentration: 10 mM
Recombinant murine EGF *	Thermo Fisher Scientific	PMG8041	Final concentration: 50 ng/ml
Recombinant murine Noggin *	Peprtech	250-38	Final concentration: 100 ng/ml
y27632 *	Sigma	Y0503	Final concentration: 10 µM
Jagged-1 *	Anaspec Bio	AS-61298	Final concentration: 1 µM
Recombinant murine R-spondin *	R&D systems	3474-RS-050	Final concentration: 1 mg/ml
Flexitube Gene solution siRNA APC	Qiagen	GS11789	Final concentration: 100 nM
Lipofectamine 2000	Thermo Fisher Scientific	11668019	
CD24 APC	Biolegend	101814	
c-kit PE	Biolegend	105808	
BV 421 CD31	Biolegend	102424	
BV 421 CD45	Biolegend	103134	
BV421 TER119	Biolegend	116234	
HBSS	Thermo Fisher Scientific	14180046	
B6.129P2-Lgr5tm1(cre/ERT2)Cle/J	Jackson Laboratories	008875	
Low binding tubes	Eppendorf	Z666548-250EA	
Matrigel	Corning	356230	
* The combination of these reagents constitutes the complete culture medium			