

Materials List for

# Using *Ex Vivo* Live Imaging to Investigate Cell Divisions and Movements During Mouse Dental Renewal

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## Citation

Sundari Thooyamani, A., Shahin, E., Takano, S., Sharir, A., Hu, J.K. Using *Ex Vivo* Live Imaging to Investigate Cell Divisions and Movements During Mouse Dental Renewal. *J. Vis. Exp.* (200), e66020, doi:10.3791/66020 (2023).

## Date Published

October 27, 2023

## DOI

10.3791/66020

## URL

jove.com/video/66020

## Materials

Name	Company	Catalog Number	Comments
24 well, flat bottom tissue culture plate	Olympus plastics	25-107	
25x HC IRAPO motCORR water dipping objective	Leica	11507704	
Ascorbic acid (Vitamin C)	Acros Organics	352685000	
D-(+)-Glucose bioextra	Sigma Aldrich	G7528	
Delta T system	Biopetechs	0420-4	Including temperature control, culture dishes, and perfusion setup
Dissection microscope- LEICA S9E	Leica	LED300 SLI	
DMEM/F12	Thermo Scientific	11039047	Basal media without phenol red
Feather surgical blade (#15)	Feather	72044-15	
Fine forceps	F.S.T	11252-23	
Glutamax	Thermo Scientific	35050-061	Glutamine substitute
Leica SP8-DIVE equipped with a 25X HC IRAPO motCORR water dipping objective	Leica	n/a	
low-melting agarose	NuSieve	50080	
non-essential amino acids (100x)	Thermo Scientific	11140-050	
penicillin–streptomycin	Thermo Scientific	15140122	10,000 U/mL
Petri dish	Gen Clone	32-107G	90 mm
Rat serum	Valley Biomedical	AS3061SC	Processed for live imaging
Razor blade #9	VWR	55411-050	
Scalpel handle	F.S.T	10003-12	
Scissors	F.S.T	37133	
serrated forceps	F.S.T	11000-13	
spring scissors	F.S.T	91500-09	