

Materials List for:

Detecting, Visualizing and Quantitating the Generation of Reactive Oxygen Species in an Amoeba Model System

Xuezhi Zhang¹, Thierry Soldati¹

¹Department of Biochemistry, University of Geneva

Correspondence to: Thierry Soldati at Thierry.Soldati@unige.ch

URL: <https://www.jove.com/video/50717>

DOI: [doi:10.3791/50717](https://doi.org/10.3791/50717)

Materials

Name	Company	Catalog Number	Comments
REAGENTS			
OxyBURST Green H2HFF BSA	Invitrogen	O-13291	
Alexa Fluor 594	Invitrogen	A-20004	
Carboxylated silica beads	Kisker Biotech	PSi-3.0COOH	
HL5C medium	ForMedium	HLC0102	
LoFlo medium	ForMedium	LF1001	
Bacto agar	BD	204010	
Dihydroethidium	Sigma	37291-25MG	
Amplex UltraRed	Invitrogen	A36006	
Horseradish peroxidase	Roche	10108090001	
Diethyldithiocarbamate (DEDTC)	Sigma	D3506-100G	
Catalase	Sigma	C9322-1G	
Cyanamide	Sigma	187364-25G	
Lipopolysaccharides	Sigma	L2630-25G	
EQUIPMENT			
ibidi µ-Dish 35 mm, high	ibidi	81156	Bottom made of optically clear plastic
MatTek dish 35 mm	MatTek corporation	P35G-1.5-14-C	Bottom made of a glass coverslip
Scepter Cell Counter	Merck Millipore	PHCC00000	
White 96 well plate	Nunc	236108	
Centrifuge	SORVALL	Legend RT	
Microplate reader	BioTek	Synergy Mx	