

Quantitative 3D Imaging of *Trypanosoma cruzi*-Infected Cells, Dormant Amastigotes, and T Cells in Intact Clarified Organs

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Citation

 Sanchez-Valdez, F., Padilla, Á.M., Bustamante, J.M., Hawkins, C.W.D., Tarleton, R.L. Quantitative 3D Imaging of *Trypanosoma cruzi*-Infected Cells, Dormant Amastigotes, and T Cells in Intact Clarified Organs. *J. Vis. Exp.* (184), e63919, doi:10.3791/63919 (2022).

Date Published

June 23, 2022

DOI

10.3791/63919

URL

jove.com/video/63919

Materials

Name	Company	Catalog Number	Comments
1-methylimidazole	Millipore Sigma	616-47-7	
2,3-Dimethyl-1-phenyl-5-pyrazolone (Antipyrine)	TCI	D1876	
6-wells cell culture plates	ThermoFisher Scientific	140675	
AlexaFluor 647 anti-mouse Fab fragment	Jackson Immuno Research Laboratories	315-607-003	
AlexaFluor 647 anti-rabbit Fab fragment	Jackson Immuno Research Laboratories	111-607-003	
anti-GFP nanobody Alexa Fluor 647	Chromotek	gb2AF647-50	
anti-RFP	Rockland	600-401-379	
anti- α -SMA	Sigma	A5228	
B6.C+A2:A44g-Gt(ROSA)26Sor ^{tm14} (CAG-tdTomato)Hze/J mouse	The Jackson Laboratory	Strain #007914	Common Name: Ai14 , Ai14D or Ai14(RCL-tdT)-D
B6.Cg-Gt(ROSA)26Sor ^{tm14} (CAG-tdTomato)Hze/J mouse	The Jackson Laboratory	Strain #007914	Common Name: Ai14 , Ai14D or Ai14(RCL-tdT)-D
BOBO-1 Iodide	ThermoFisher Scientific	B3582	
Bovine serum albumin (BSA)	Sigma	#A7906	
C57BL/6J-Tg(Cd8a*-cre)B8A sin/J mouse	The Jackson Laboratory	Strain #032080	Common Name: Cd8a-Cre (E8III-Cre)
CAPSO	Sigma	#C2278	
Cleaning wipes Kimwipes	Kimberly-Clark	T8788	
Confocal Laser Scanning Microscope	Zeiss	LSM 790	
CUBIC-HV 1 3D immunostaining kit	TCI	C3699	
CUBIC-HV 1 3D nuclear staining kit	TCI	C3698	
CUBIC-L	TCI	T3740	

CUBIC-P	TCI	T3782	
CUBIC-R+	TCI	T3741	
Cyanoacrylate-based gel superglue	Scotch	571605	
DiR (DiIC18(7); 1,1'-dioctadecyl-3,3',3',3'-tetramethylindotricarbocyanine iodide) Company: Biotium	Biotium	#60017	
Ethylene diamine tetra acetic acid (EDTA)	Millipore Sigma	60-00-4	
Falcon Centrifuge tubes 15 mL	Corning	CLS430791	
Falcon Centrifuge tubes 50 mL	Corning	CLS430290	
Formalin	Sigma-Aldrich	HT501128	
Heparin	ThermoFisher Scientific	J16920.BBR	
Hyaluronidase	Sigma	#H3884 or #H4272	
Imaris File Converter x64	BitPlane	v9.2.0	
Imaris software	BitPlane	v9.3	
ImSpector software	LaVision BioTec, Miltenyi Biotec	v6.7	
Intravenous injection needle 23-G	Sartori, Minisart Syringe filter	16534	
Kimwipes			lint free wipes
Light-sheet fluorescent microscope	Miltenyi Biotec	ULtramicroscope II imaging system	
Methanol	ThermoFisher Scientific	041838.K2	
Micropipette tips, 10 μ L, 200 μ L and 1,000 μ L	Axygen	T-300, T-200-Y and T-1000-B	
Motorized pipet dispenser	Fisher Scientific, Fisherbrand	03-692-172	
Mounting Solution	TCI	M3294	
N-butyl-diethanolamine	TCI	B0725	
Nicotinamide	TCI	N0078	
N-Methylnicotinamide	TCI	M0374	
Paraformaldehyde (PFA)	Sigma-Aldrich	158127	
Phosphate buffered saline (PBS)	Thermo Fisher Scientific	14190-094	
RedDot 2 Far-Red Nuclear Stain	Biotium	#40061	
Sacrifice Perfusion System	Leica	10030-380	
Scissors	Fine Science Tools	91460-11	
Serological pipettes	Costar Sterile	4488	
Shaking incubator	TAITEC	BR-43FM MR	
Sodium azide (NaN_3)	ThermoFisher Scientific	447815000	
Sodium carbonate (Na_2CO_3)	ThermoFisher Scientific	L13098.36	
Sodium Chloride (NaCl)	ThermoFisher Scientific	447302500	
Sodium hydrogen carbonate (NaHCO_3)	ThermoFisher Scientific	014707.A9	
SYTOX-G Green Nucleic Acid Stain	ThermoFisher Scientific	S7020	
Triton X-100	Sigma-Aldrich	T8787	