

Materials List for

Imaging CD19⁺ B Cells in an Experimental Autoimmune Encephalomyelitis Mouse Model using Positron Emission Tomography

Samantha T. Reyes^{*1}, E. Carmen Azevedo^{*1}, Haley C. Cropper¹, Sydney Nagy¹, Emily M. Deal¹, Aisling M. Chaney¹, Michelle L. James^{1,2}

¹Department of Radiology, Stanford University ²Department of Neurology and Neurological Sciences, Stanford University

*These authors contributed equally

Corresponding Author

Michelle L. James
mljames@stanford.edu

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jove.com/video/64133

Materials

Name	Company	Catalog Number	Comments
0.5 mL 50 kDa MWCO Centrifugal filter	MiliporeSigma	UFC505008	centrifugal filter
⁶⁴ Cu-CuCl ₃	Washington University in St. Louis; University of Wisconsin, Madison; or another vendor		
AR-2000 Radio-TLC Imaging Scanner	Eckert & Ziegler	AR-2000	
Autoradiography cassette	Cole Palmer	EW-21700-34	Aluminum, 8" x 10"
Autoradiography film	GE Life Sciences	28-9564-78	Storage Phosphor Screen BAS-IP SR 2025 E Super Resolution, 20 x 25 cm, screen only
Butterfly Needle Catheter	SAI Infusion Technologies	BLF-24	
DOTA-NHS-ester	Macrocyclics	B-280	
EAE Induction Kit	Hooke Laboratories	EK-2160	
Geiger Counter	Ludlum	14C	
GNEXT PET/CT Scanner	Sofie	GNEXT	
Hidex Automatic Gamma Counter	Hidex	AMG	
HPLC Column	Phenomenex	00H-2146-K0	5 µm SEC-s3000 400 Å, 300 x 7.8 mm
Illustra NAP-5 column	Cytiva	17085301	DNA gravity column
Image J	NIH		ARG analysis software
Low Protein Binding Collection Tubes (1.5 mL)	Thermo Scientific	PI90410	
NanoDrop Lite Spectrophotometer	Thermo Scientific	840281400	UV-Vis micro/nano-spectrophotometer
PCR tubes 0.2 mL, for DNA grade	Eppendorf	30124707	

Typhoon phosphor imager 9410	GE Healthcare	8149-30-9410	
VivoQuant	Invicro	Version 4 Patch 3	PET Analysis Software; must purchase brain atlas add-on
Zeba Spin Desalting Columns, 7K MWCO, 0.5 mL	Thermo Scientific	PI89882	Desalting column