

# Assessment of Chimeric Antigen Receptor T Cell-Associated Toxicities Using an Acute Lymphoblastic Leukemia Patient-derived Xenograft Mouse Model

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jove.com/video/64535

## Materials

Name	Company	Catalog Number	Comments
APC Anti-Human CD19	Biologend	302211	
Alcohol Prep Pad	Wecol	6818	
Analyze 14.0 software	AnalyzeDirect Inc.	N/A	<a href="https://analyzedirect.com/analyze14/">https://analyzedirect.com/analyze14/</a>
Artificial tears (Mineral oil and petrolatum)	Akorn	17478-062-35	Topical opthalmic gel to prevent eye dryness
BD FACS Lysing Solution	BD	349202	Red blood cells lysing buffer
BD Micro-Fin IV insulin syringes	BD	329461	
Brilliant Violet 421 Anti-Human CD45	Biologend	304032	
Bruker Avance II 7 Tesla	Bruker Biospin	N/A	MRI machine
Busulfan (NSC-750)	Selleckchem	S1692	
CountBright absolute counting beads	Invitrogen	C36950	
CytoFLEX System B4-R2-V2	Beckman Coulter	C10343	flow cytometer
Dulbecco's Phosphate-Buffered Saline	Gibco	14190-144	
ERT Control/Gating Module	SA Instruments	Model 1030	Small Animal Monitoring Respiratory and Gating System
Fetal bovine serum	Millipore Sigma	F8067	
Hemocytometer	Bright-Line	Z359629-1EA	
Human AB Serum; Male Donors; type AB; US	Corning	35-060-CI	
Isoflurane (Liquid)	Sigma-Aldrich	792632	
LIVE/DEAD Fixable Aqua Dead Cell Stain Kit, for 405 nm excitation	Invitrogen	L34966	
Microvette 500 Lithium heparin	Sarstedt	20.1345.100	Blood collection tube

MILLIPLEX Huma/Cytokine/ Chemokine Magnetic Beads Panel	Millipore Sigma	HCYTMAG-60K-PX38	Immunology Multiplex Assay to identify cytokines and chemokines
Omniscan	Ge Healthcare Inc.	0407-0690-10	Gadolinium-based contrast agent
Pd Anti-Mouse CD45	Biolegend	103106	
Penicillin-Streptomycin-Glutamine (100x), Liquid	Gibco	10378-016	
Round Bottom Polystyrene Test tube	Corning	352008	
Sodium Azide, 5% (w/v)	Ricca Chemical	7144.8-16	
Stainless Steel Surgical Blade	Bard-Parker	371215	
X-VIVO 15 Serum-free Hematopoietic Cell Medium	Lonza	04-418Q	