

Materials List for

# Production of Humanized Mouse via Thymic Renal Capsule Grafting, CD34<sup>+</sup> Cells Injection, and Cytokine Delivery

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jove.com/video/62906

## Materials

Name	Company	Catalog Number	Comments
ACK lysis buffer	Life Technologies Corporation		
BD Microcontainer	BD		blood collection tubes
Busulfan	Sigma	B2635-25g	Irradiating drug; light sensitive
CD34 Microbeads	Miltenyi Biotec	130-046-702	antibody beads kit; stored at 4 °C
CKIT	Aldevron	custom	cytokine; stored at -20 °C
Collagenase/Dispase	Roche Diagnostics	11097113001	Stored at 4 °C
FcR Blocking reagent	Miltenyi Biotec	130-046-702	antibody beads kit; stored at 4 °C
Fetal tissue (liver and thymus)	Advanced Bioscience Resources		Delivered same day or overnight
Ficoll	GE Healthcare	17-1440-03	Stored at room temperature
FLT3	Aldevron	125964	cytokine; stored at -20 °C
Forceps	Various	Various	
Hamilton syringe needle	Various	Various	22 G; 3 point; 2" length
Hemostats	Various	Various	
MS columns	Miltenyi Biotec	130-042-201	magnetic separator
PBS	Gibco	14190-136	Stored at room temperature
Primocin	Invivogen	amt-pm1	antibiotic; stored at 4 °C
RPMI	Corning	10-040-CM	Stored at 4 °C
SCF	Aldevron	125962	cytokine; stored at -20 °C
Surgical scissors	Various	Various	
THPO	Aldevron	125963	cytokine; stored at -20 °C
Tissue treated petri dish	Corning	430167	
VetBond glue	3M	1469SB	glue
Visorb suture	Stoelting Co	5046	absorbable suture, size 4, 19 mm cutting