

Materials List for:

Adapting Human Videofluoroscopic Swallow Study Methods to Detect and Characterize Dysphagia in Murine Disease Models

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Materials

Name	Company	Catalog Number	Comments
Polycarbonate tubing for observation chambers	McMaster-Carr	3161T41	Body of observation tubes, 2"X2" diameter, 0.080" thick wall
Polycarbonate sheet for observation chambers	McMaster-Carr	9115K71	End-caps for observation tubes, 2"x12"x3/4"
Polycarbonate sheet for observation chambers	McMaster-Carr	8574K281	Peg-bowls for observation tubes
Silicone O-rings for end-caps of observation chambers	McMaster-Carr	9396K108	S1138 AS568-029, pack of 25 http://www.mcmaster.com/#o-rings/=t0wt5r
Silicone stoppers for observation chambers	McMaster-Carr	2903K22	Package of 10 stoppers to plug the oval opening in the top of the observation chamber when using a peg-bowl http://www.mcmaster.com/#catalog/120/3803/=t0y5at
Centrifuge tubes for sipper tube bottles	Evergreen Scientific	222-3530-G80	30 ml freestanding centrifuge tubes, with caps, sterile https://www.evergreensci.com/labware-catalog/tubes-and-vials/30-and-50-ml-centrifuge-tubes/
Silicone stoppers for sipper tube bottles	Saint-Gobain Performance Plastics	DX263031-10	Number 31D, size: 26 mm bottom, 32 mm top, 30 mm high; 10 pack; http://www.labpure.com/en/Products.asp?ID=179&PageBrand=STOPPERS
Stopper borers for sipper tube bottles	Thomas Scientific	3276G40	Cork Borer Set that ranges from 3/16-15/16 inch http://www.thomassci.com/Supplies/Corks/_/CORK-BORER-SET-316-1516-IN?q=Humboldt
Drinking tubes for sipper tube bottles	Ancare	TD-100	2 1/2" long drinking tubes with 5/16" opening, straight ball-spout http://www.ancare.com/products/watering-equipment/open-drinking-tubes/straight-tubes-ball-point
Iohexol for making oral contrast agent solution	GE Healthcare		350 mg iodine per ml http://www3.gehealthcare.com/en/products/categories/contrast_media/omnipaque
Chocolate syrup for flavoring oral contrast agent	Herseys		

10 ml syringe for syringe delivery system	Becton, Dickinson and Company	309604	Luer lock tip syringe without needle, 100 per box http://www.bd.com/hypodermic/products/syringeswithoutneedles.asp
Catheter tubing for syringe delivery system	Becton, Dickinson and Company	427451	Polyethylene Tubing (Non-Sterile) (PE 240) 100' http://www.bd.com/ds/productCenter/427451.asp
Needle for syringe delivery system	Becton, Dickinson and Company	427560	15-gauge needle, fits into PE 240 catheter tubing http://www.bd.com/ds/productCenter/427560.asp
Delrin acetal resin rod for syringe delivery system	McMaster-Carr	8576K15	1/2 inch diameter, black http://www.mcmaster.com/#catalog/120/3609/=t0wvaf
Acrylic sheeting for scissor lift	Ponoko		Laser cut http://www.ponoko.com
3D printed ABS frame	Engineering Rapid Prototyping Facility, University of Missouri		
Brass rods for scissor lift	Amazon	TTRB-03-12-03	made into axles http://www.amazon.com/Brass-Seamless-Round-Tubing-Length/dp/B000FN898M
Drawer slide for scissor lift	Richelieu	10292G116	Attaches to base of scissor lift http://www.lowes.com/pd_380986-93052-T35072G16_0_?productId=50041754
28BYJ-48 stepper motor for scissor lift			2 each
ULN2003 Darlington transistor array for scissor lift	Toshiba	ULN2003APG	Used as stepper drivers (2 each)
ATTINY85 microcontroller for scissor lift	Atmel	ATTINY85-20PU	2 each http://www.taydaelectronics.com/attiny85-attiny85-20pu-8-bit-20mhz-microcontroller-ic.html
Nylon spur gear	McMaster-Carr	57655K34	2 each http://www.mcmaster.com/#57655k34/=t0yaqz
Nylon spur gear rack	McMaster-Carr	57655K62	2 each http://www.mcmaster.com/#57655k62/=t0ybh9
4-40 nylon machine screws	McMaster-Carr	95133A315	Lift assembly http://www.mcmaster.com/#95133a315/=t0yd8q
4-40 nylon hex nuts	McMaster-Carr	94812A200	Lift assembly http://www.mcmaster.com/#94812a200/=t0ye29
Buna-N O-Ring AS568A Dash No. 104	McMaster-Carr	9452K318	Lift assembly http://www.mcmaster.com/#9452k318/=t0yem7