

TEN THINGS YOU CAN DO WITH A PLEXIGLASS BOX AND A SET OF PIG LUNGS

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Objective

- ◆ Describe how to build a lung-thorax model with a plexiglass cube and pig lungs

PARTS FOR THE MODEL

The thorax (plexiglass cube)

- ◆ Six-sided 14" cube, 1/4 inch thick
 - ◆ Mister Plexi
 - ◆ www.misterplexi.com
 - ◆ AC14T, \$96 each

Lungs (preserved porcine)

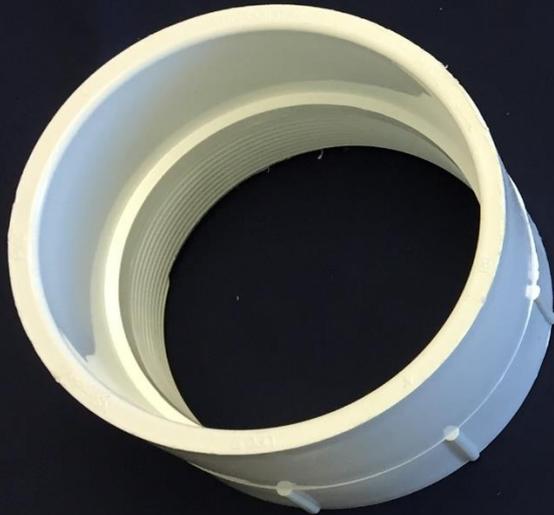
- ◆ Nasco
- ◆ www.enasco.com
- ◆ Bioquest inflatable lungs, LSo3764U, \$119.95

BUILDING THE MODEL

Tools and supplies

- ◆ 4" sewer clean out adaptor and plug
- ◆ 3/4" male and female PVC adaptor fittings
- ◆ 22 mm/15 mm O.D./I.D. adaptor (2)
- ◆ Hole saws (3)
 - ◆ 7/8", 1 1/4", 4"

Clean out & plug
adaptor



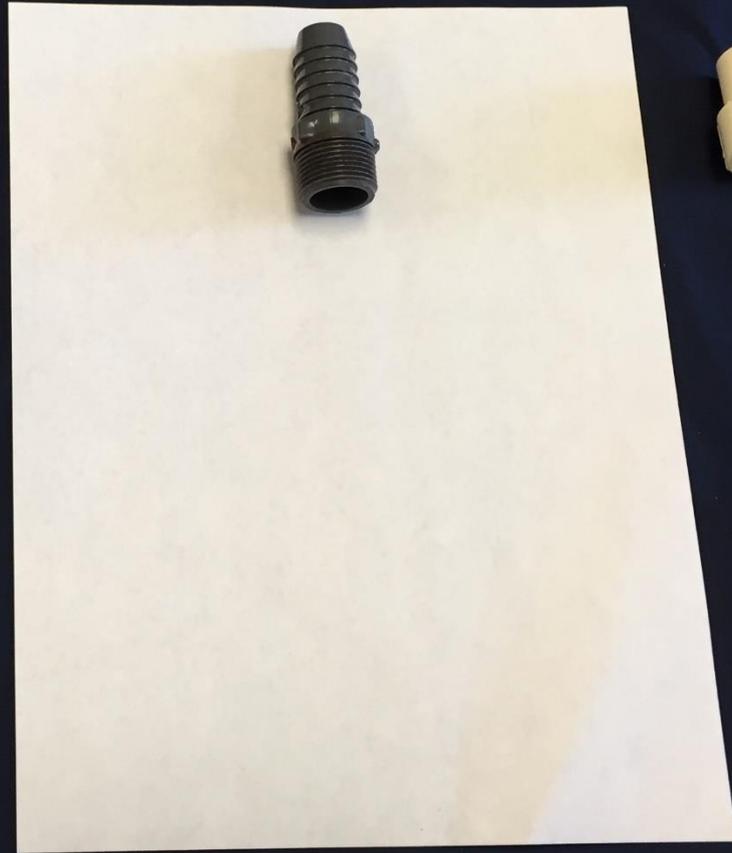
22/15 mm
adaptor



3/4" Male
PVC adaptor



3/4" Female
PVC adaptor

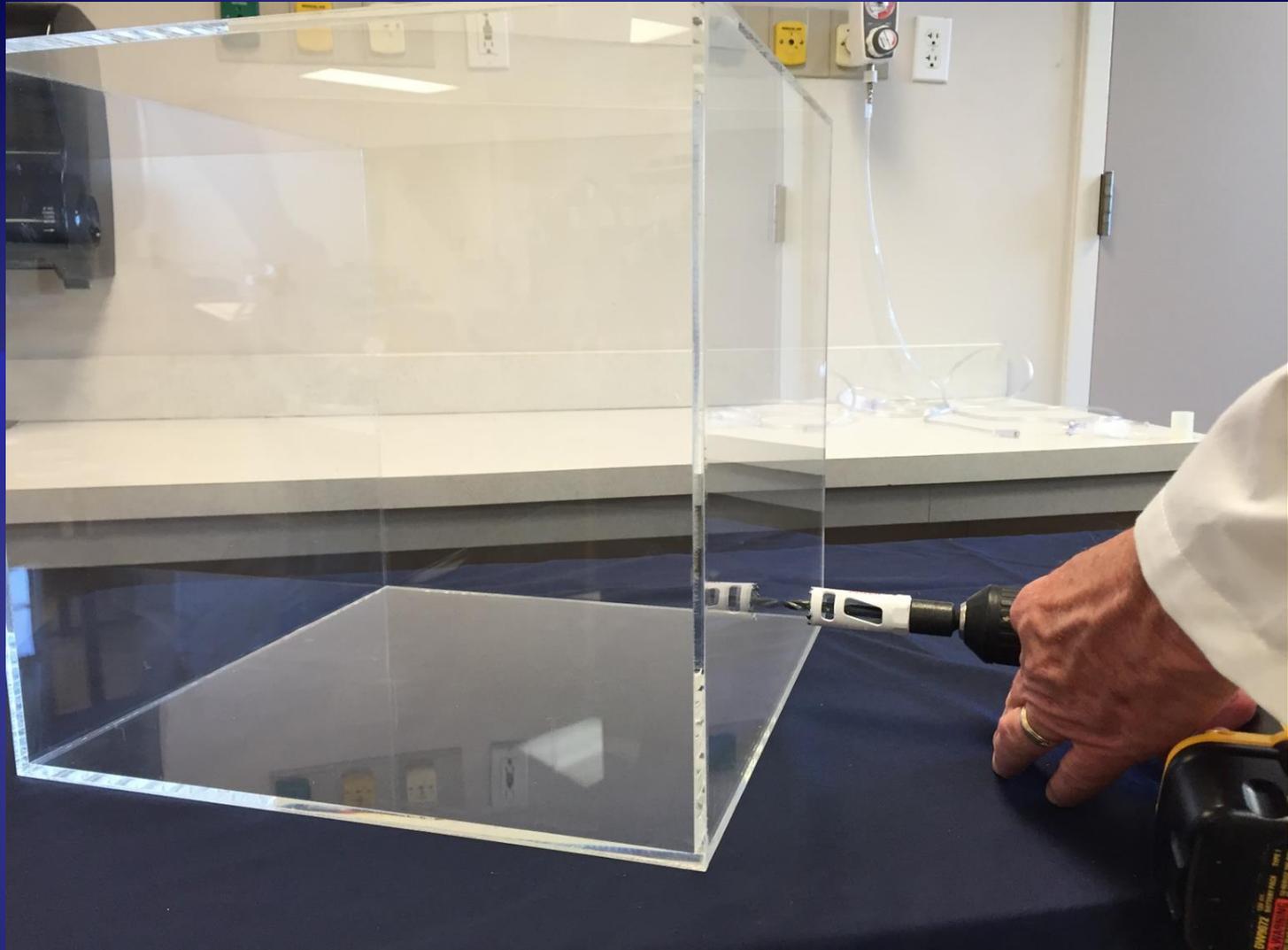




**4" hole side of cube for
the clean out adaptor**



1 1/4" hole top of cube for the female PVC adaptor



**7/8" hole just below the
4" hole for the 22 mm adaptor**



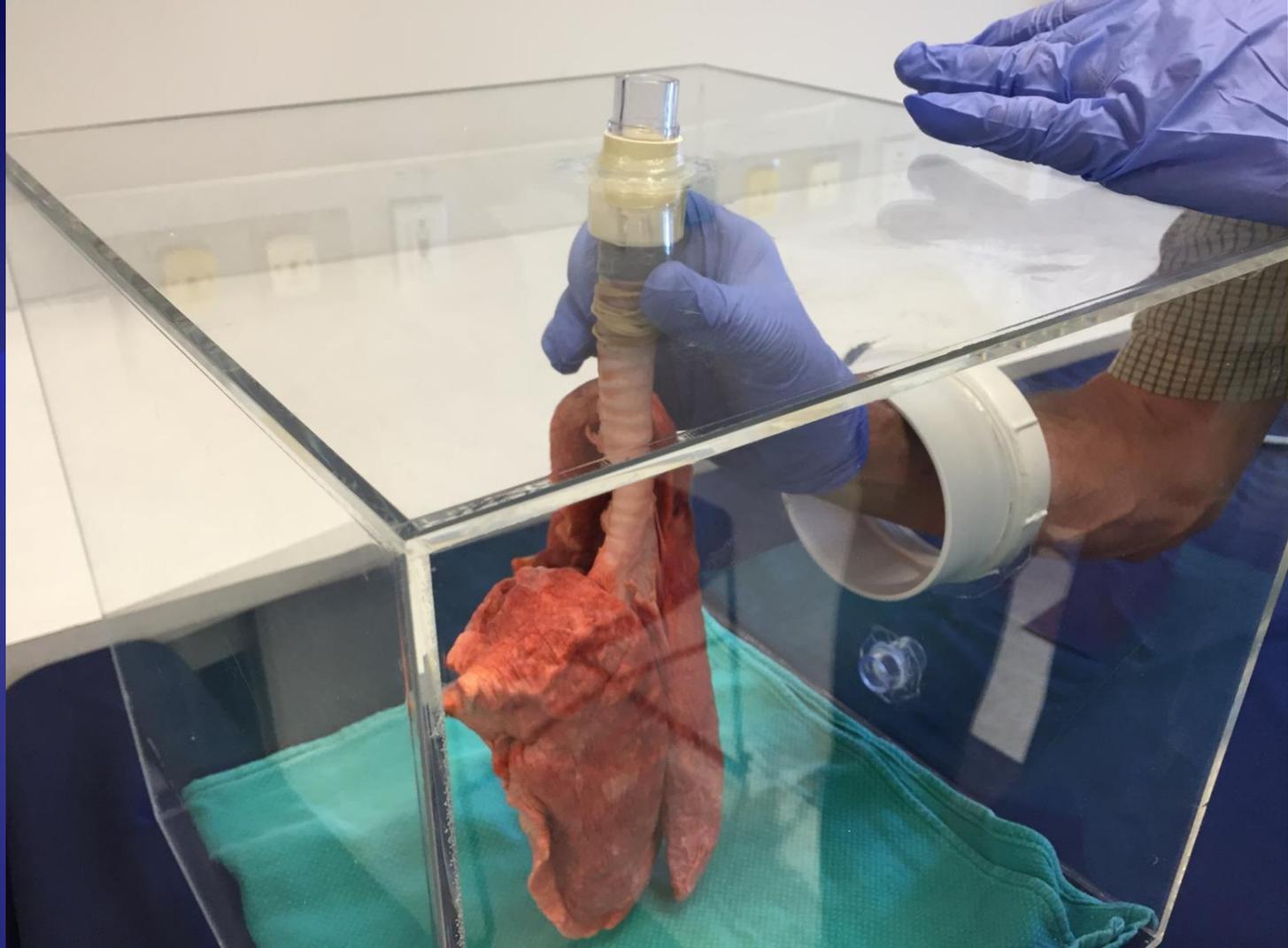
**1/8" hole corner for the
esophageal catheter (optional)**



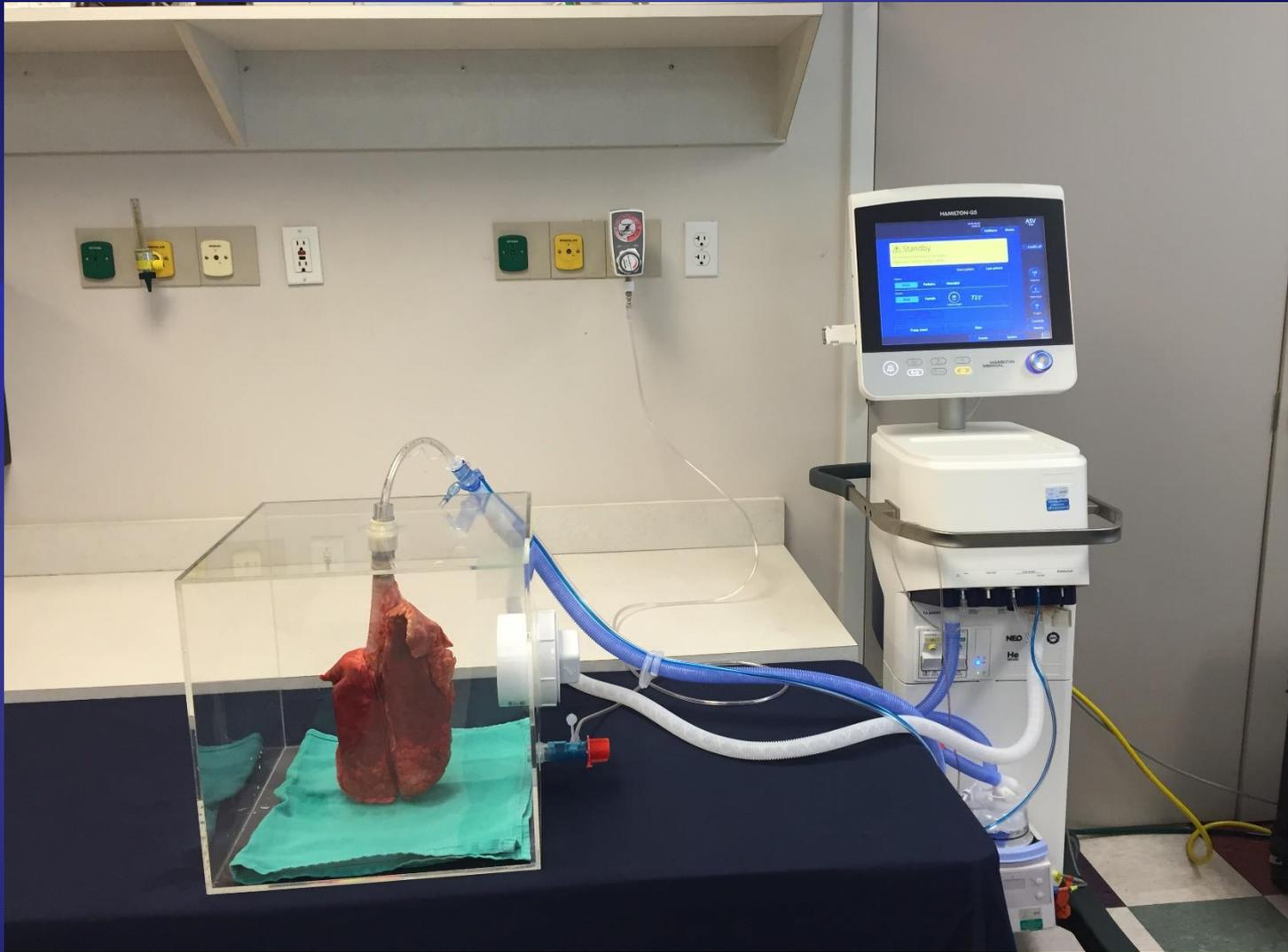
Glue in parts, let sit overnight



**Attach $\frac{3}{4}$ " male PVC adaptor
to trachea with rubber band**



Connect the $\frac{3}{4}$ " PVC adaptors together. Note other 22 mm adaptor on top for direct connection to a ventilator



Finished product!