

A

Fluid level: 30 cm
above the heart

50 mL syringe
(plunger removed)

Heparin/SNP in
PBS

Pulse dampener

Cap (comes
with stopcock)

Peristaltic pump

Platinum-cured
silicone tubing (LS 16)

Heparin/SNP in
PBS

Gravity-driven perfusion

Pump-driven perfusion

Pulmonary
arterial cannula

Female
luer-lock

Silicone tubing
(LS 14), 1/2 inch

Y-connector

One-way
check valve

B

**Pulse dampener
assembly**

Male 1/4
inch luer

LS 17 BPT,
5 cm

3/8 inch x 1/4 inch
barbed reducer

LS 36 silicone,
10 cm

3/8 inch x 1/8 inch
inline tee

LS 16 BPT, 2.5
cm

Male 1/8 inch
luer

3/8 inch x 1/4 inch
barbed reducer

LS 36 silicone,
5 cm

Male 1/4
inch luer

LS 17 BPT,
5 cm

LS 36 silicone,
5 cm

3/8 inch
elbow

C

Tracheal
cannula

Pulmonary
arterial cannula