**Media Reservoir**

**Components**

**Filter**

* The aortic chamber fluid outlets were connected by silicone tubing to an air-tight pressurizing reservoir (compliance chamber), which in turn was connected to a second reservoir exposed to atmospheric air via one top outlet fitted with a 0.22 μm air filter. (<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3039844/#!po=12.5000>)
* Sterile filters (Sterifix 0.2 μm; B. Braun Melsungen AG, Germany) were interposed at the top of the medium reservoir to avoid contamination during oxygenation of the circulating medium. (<https://pdfs.semanticscholar.org/cb62/8044a4c4445836e1689b58cf9297ad36c74d.pdf?_ga=2.247091520.575735357.1579563434-423365357.1579563434>)
* 0.22 vs 0.45 <https://journal.pda.org/content/50/3/147>

**Container**

* Volume? Calculate…
* Material? Sterilizable, biocompatible, hemocompatible

**Emptying**

* Luer lock port
* To stop-cock
* To removal sterile luer lock filter

All ports need to be sterile, mixing (inlet from top? - research mixing and gas perfusion), find a paper for mixing necessity for gas perfusion in mammalian cells (specifically heart valves)

**Fittings**

Media Reservoir Media Exchange Ports

→ ¼” NPT to Luer socket<https://www.mcmaster.com/9198T18>

→ ¼” Luer plug to barb<https://www.mcmaster.com/9198T16>

Ø One line goes to the system

Ø Switch the lines to add media

Ø Don’t connect a media bag at the other end and it will drain.

Ø Also could use Luer Male to Luer Female On/Off Valve with an in-line luer filter:<https://www.mcmaster.com/7033t24>