

Supplemental Table 1. Bioreactor components

<i>Name</i>	<i>Company</i>	<i>Catalog Number</i>	<i>Comments</i>
Cylindrical glass reservoir	N/A	N/A	Custom design at Yale University
Threaded plastic gasket	N/A	N/A	Custom design at Yale University
Silicone stopper, size 14	Cole-Parmer	EW-06298-26	
Y-connectors	Cole-Parmer	ED-30614-08	Used for arterial and tracheal cannulae
Silicone tubing	Masterflex (Cole Palmer)	96420-14; 16	L/S 14; 16
Check valve	Cole-Parmer	EW-98553-20	One-way valve
4-way stopcocks	Edwards Lifesciences	594WSC	
Syringe filter	Cole-Parmer	2915-08	PTFE, 0.2µm
500 and 1000 ml glass bottles	Corning	1395-500; -1L	Used for decell and rinsing by gravity