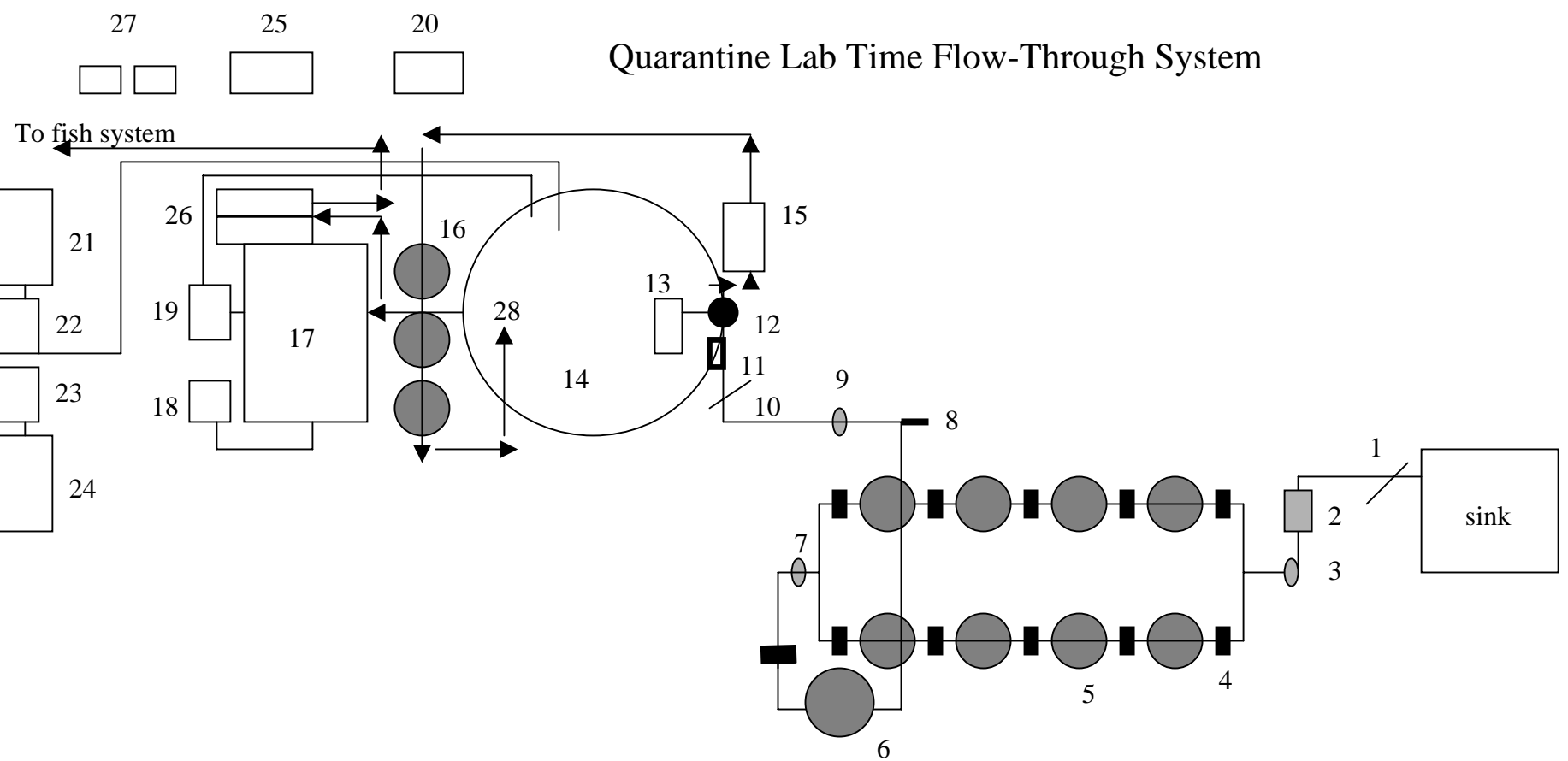


# Quarantine Lab Time Flow-Through System



## 1-13 Primary Filtration/Tower Filling System

- 1) Primary tap water valve
- 2) Check valve
- 3) Pressure Gauge 1
- 4) Slip unions
- 5) Carbon and micron paper filters
- 6) Deionizing resin canister
- 7) Pressure gauge 2
- 8) Hose fitting with shutoff valve
- 9) Pressure gauge 3
- 10) Gross flow control valve
- 11) Flow gauge

## 15-25 Tower filtration, monitoring, & adjustment

- 12) Fine flow control valve
- 13) Water level shutoff valve
- 14) Water Tower
- 15) Tower Distribution Pump
- 16) UV, carbon, heater canisters
- 17) Salt Sump
- 18) Salt mix pump
- 19) Salt Dosing Pump
- 20) Conductivity controller with sensor controls 19
- 21) Acid sump

## 26 & 27 Water

- 22) Acid dose pump
- 23) Base dose pump
- 24) Base sump
- 25) pH controller with sensor controls 22&23
- 26) Dual Pump delivery to fish system
- 27) Dual timers to turn on the pumps every hour
- 28) Flow switch that shutdowns the system when the water tower level reaches the 30 gallon. It shuts off all electronic equipment except 18, 20, 25, 27.

Delivery To  
Fish system