

```
# Process parameters used throughout
par(Y=0.5, qSmax=0.75, Ks=0.1)
par(filter_eps=0.10, filter_alpha_X=0.02, filter_alpha_S=0.10)
par(S_in=30.0)
init(V_start=1.0, VX_start=1.0)
eps = parDict['filter_eps']
```

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Filter
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```
# Simulation of process with flow rate clot to wash-out for chemostat
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```
init(VS_start=20)
par(pump1_t1=10, pump2_t1=10)
par(pump1_F1=2.5*0.155, pump2_F1=2.5*0.155/eps)
par(pump1_t2=940, pump2_t2=940, pump1_t3=950, pump2_t3=950, pump1_t4=960, pump2_t4=960)
```

Process initial
Pump schedule - recycl

```
newplot(title='Perfusion cultivation - flow rate corresponding to maximal rate for chemostat')
simu(60)
```

