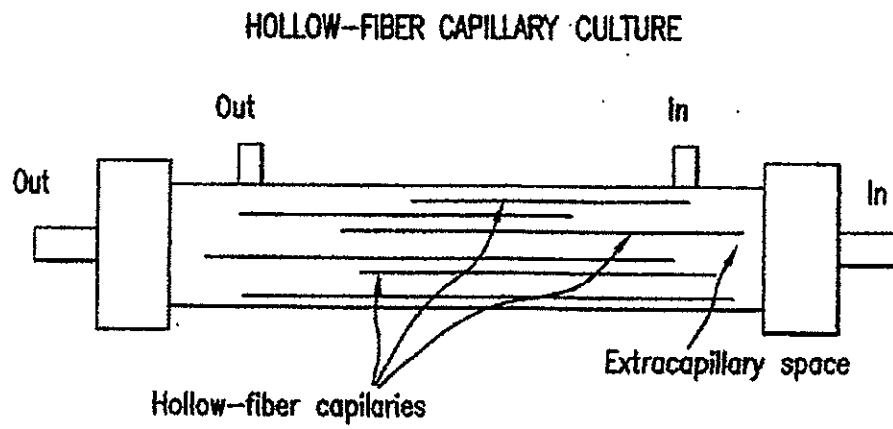


Figure 1



2/11
Figure 2

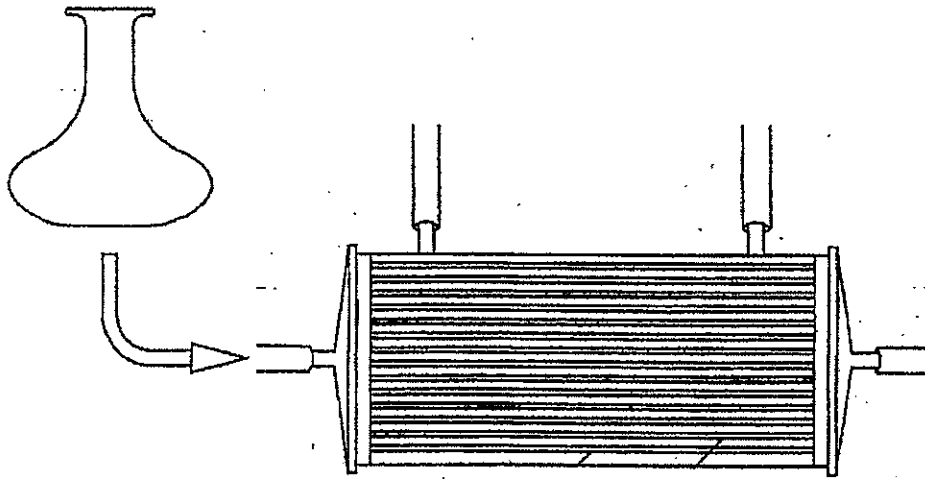


Figure 3A



Figure 3B

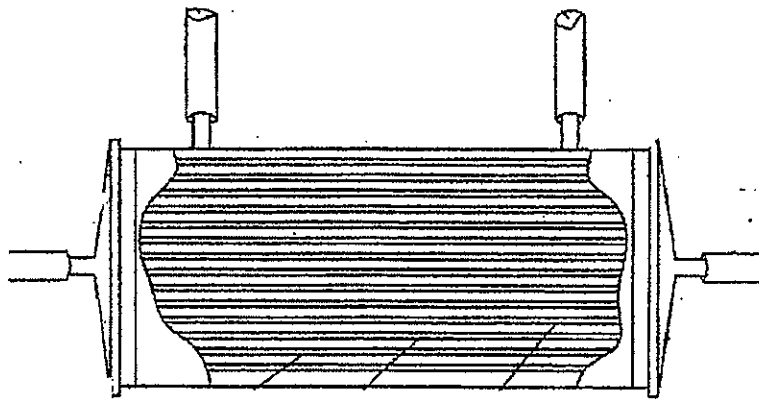


Figure 4

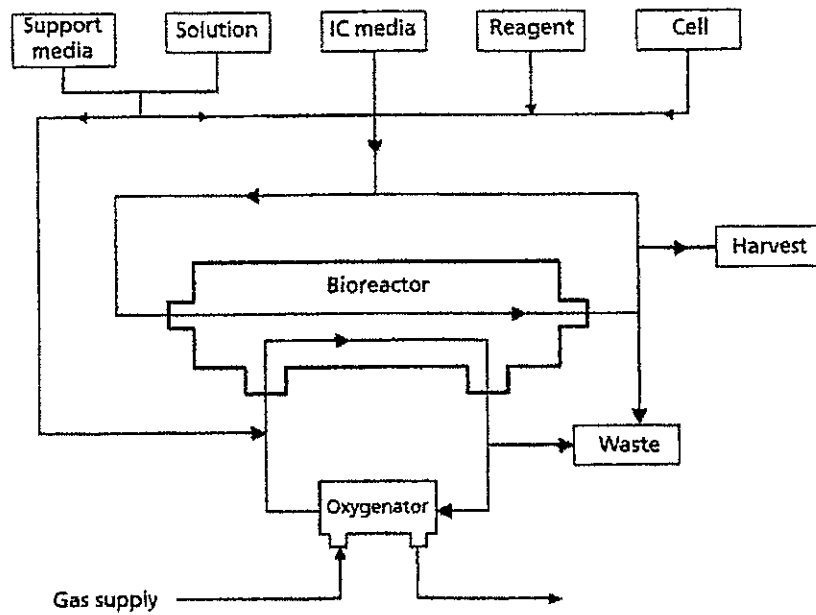


Figure 5

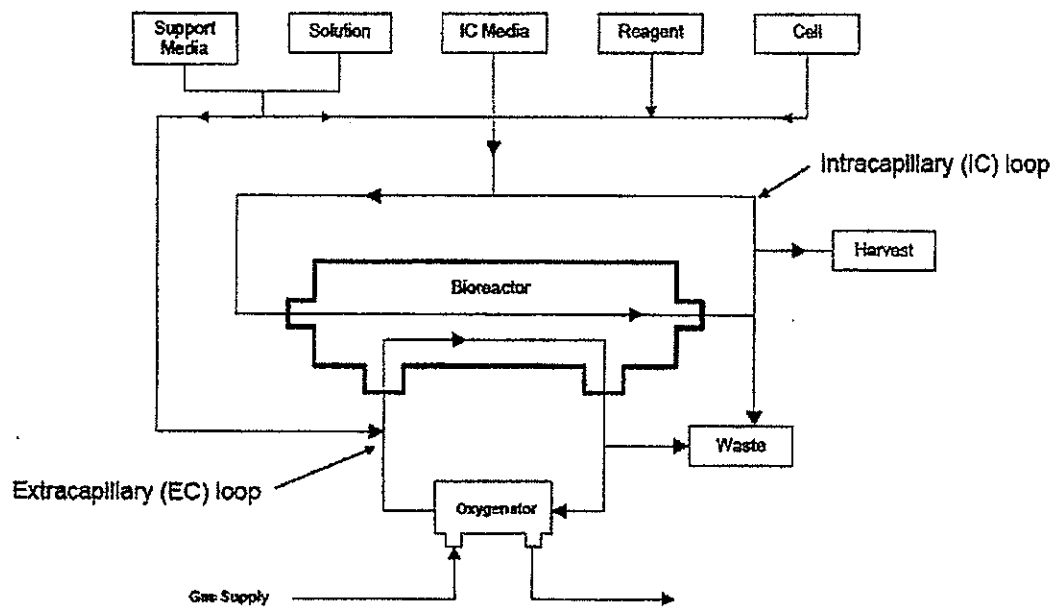


Figure 6

Isolation and expansion for 3 different donors

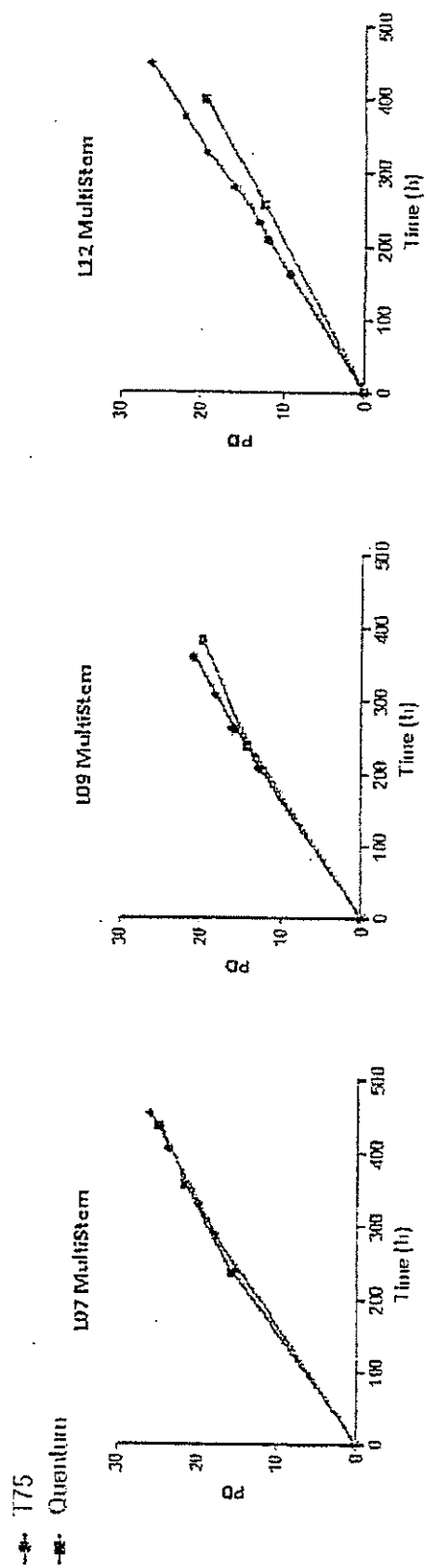


Figure 7

Master Cell bank creation

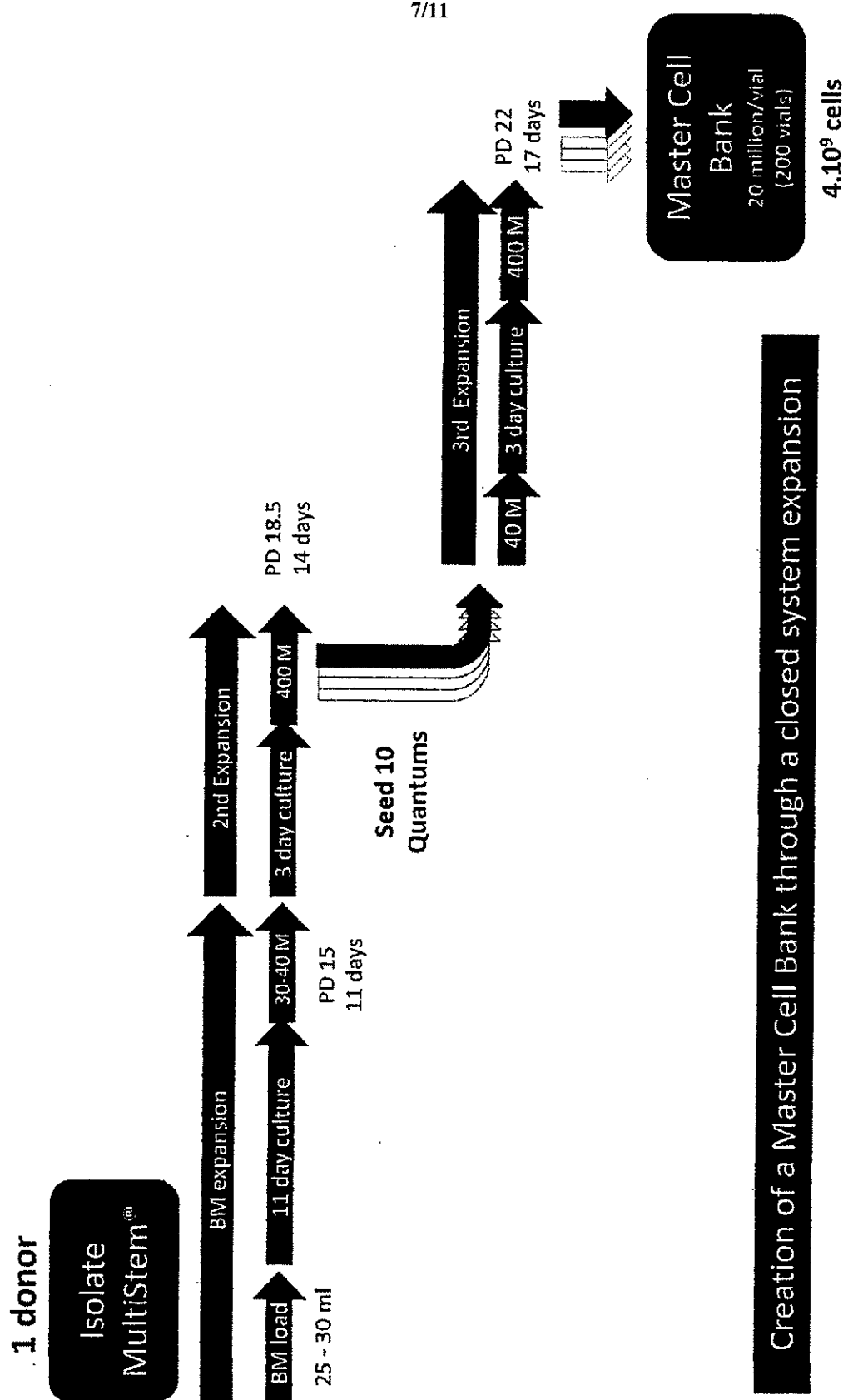
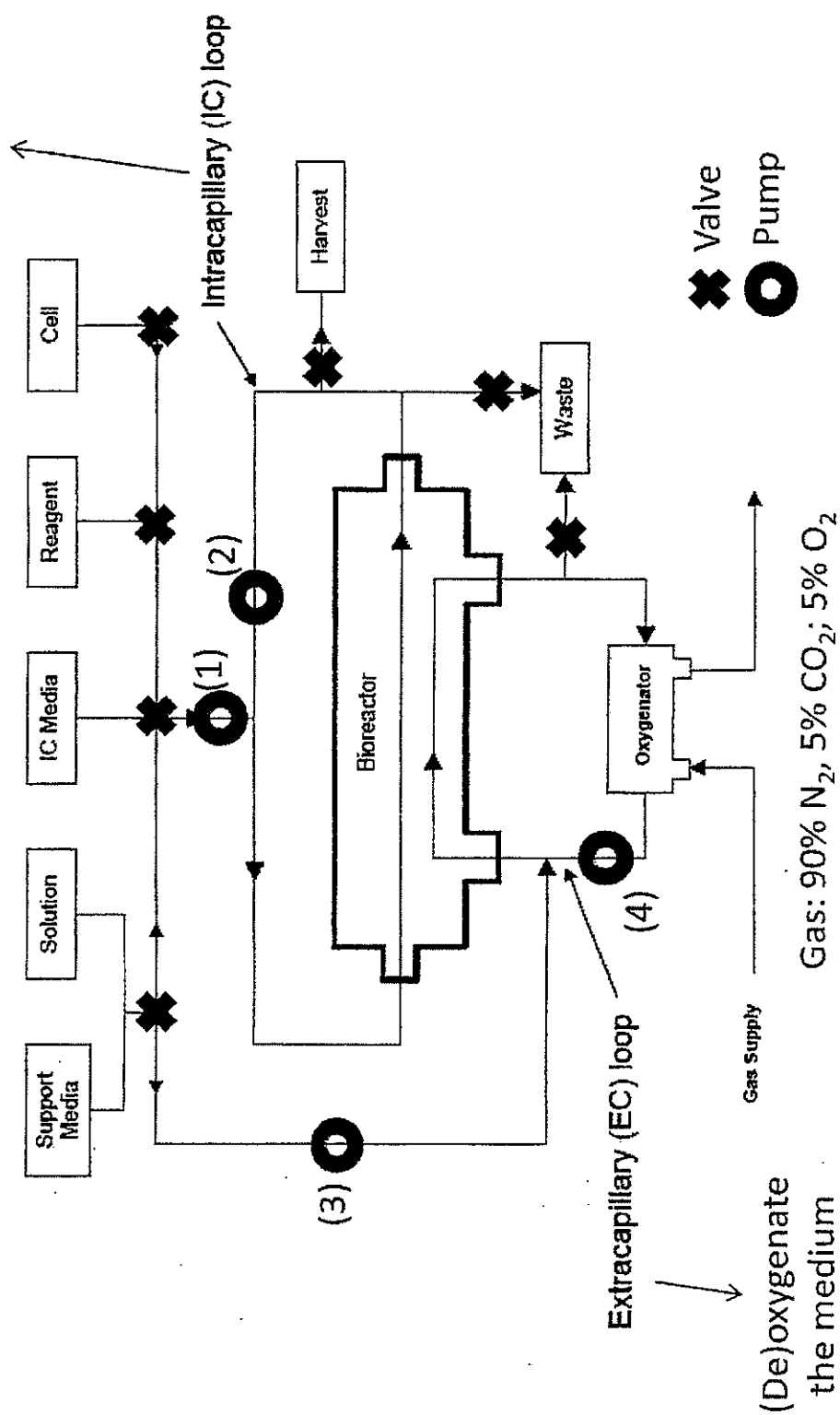


Figure 8

Flow scheme

Used to coat, load
the cells and add
fresh medium



- Software provides automated procedures
- Setup
 - Load and prime disposable set
 - Coat the bioreactor membrane with fibronectin (overnight coating)
 - Replace PBS in both loops by media
 - Medium conditioning
 - Load the cells and let them attach (overnight attachment)
 - Perform a washout to remove non adherent cells
 - Continuously feed cells with medium
 - Adjust feed rate according to lactate generation and glucose consumption
 - Harvest with Trypsin/EDTA
- Workload
 - 1 run takes 6 working hours
 - An estimate of 2 to 3 hours if everything would already be available in bags

Figure 10

MultiStem® production process

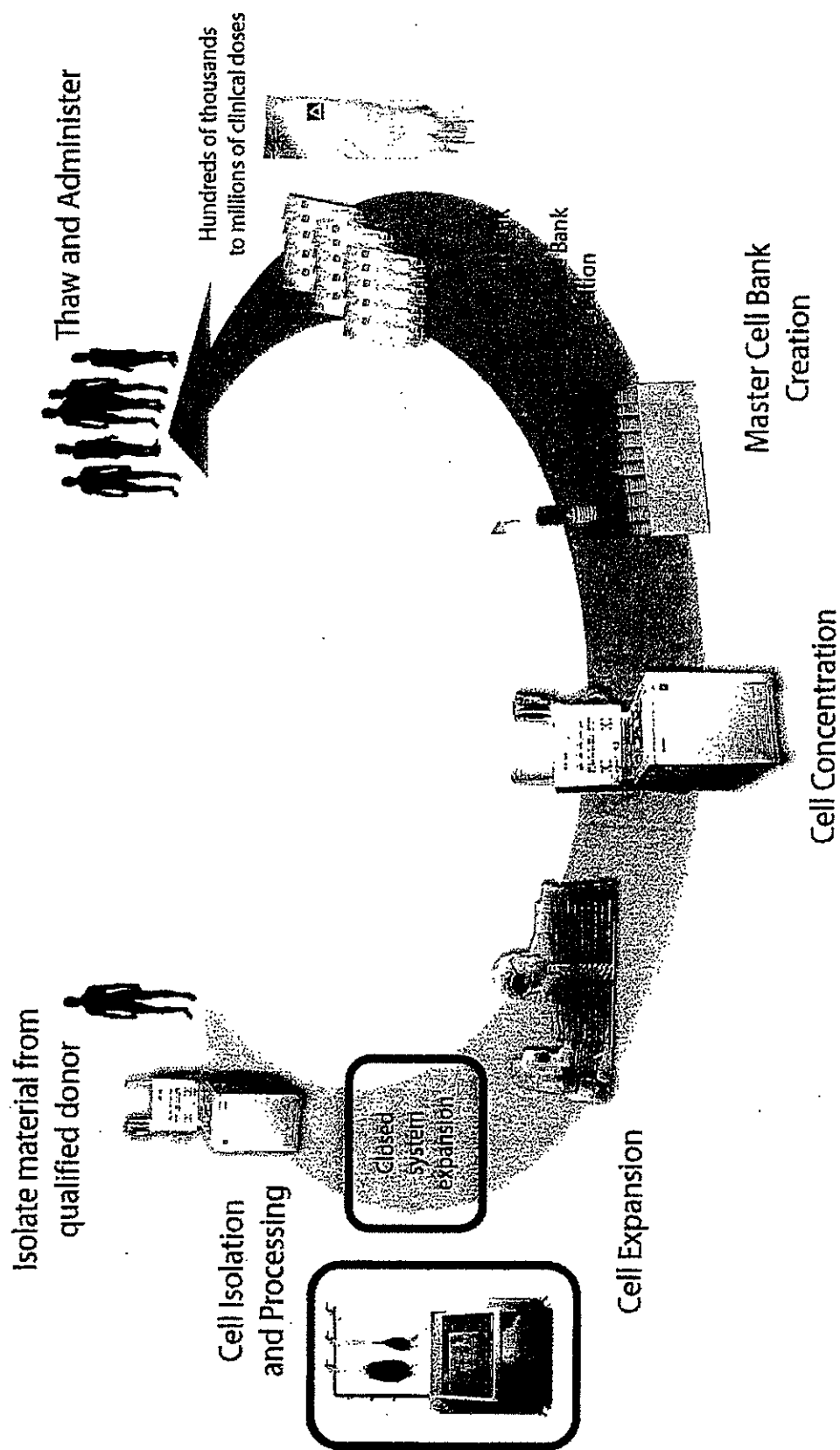


Figure 11

Cell banking approach

