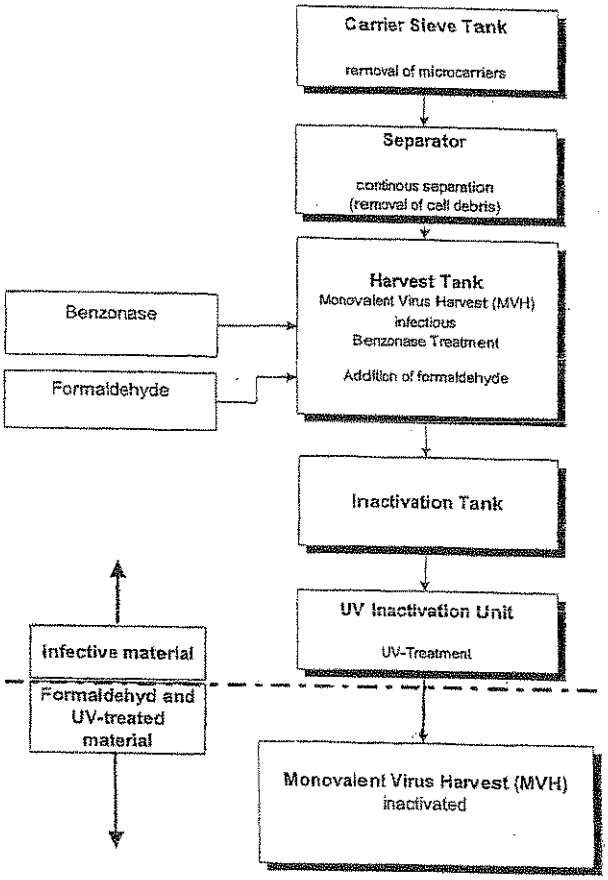

Carrier Sieve Tank
removal of microcarriers
Separator
continous separation
(removal of cell debris)
Harvest Tank
Monovalent Virus Harvest (MVH)
infectious
Benzonase Treatment
Addition of formaldehyde
Benzonase
Formaldehyde
Inactivation Tank
UV Inactivation Unit
UV-Treatment
infective material
Formaldehyd and
UV-treated
material
Monovalent Virus Harvest (MVH)
inactivated

Fig. 1a

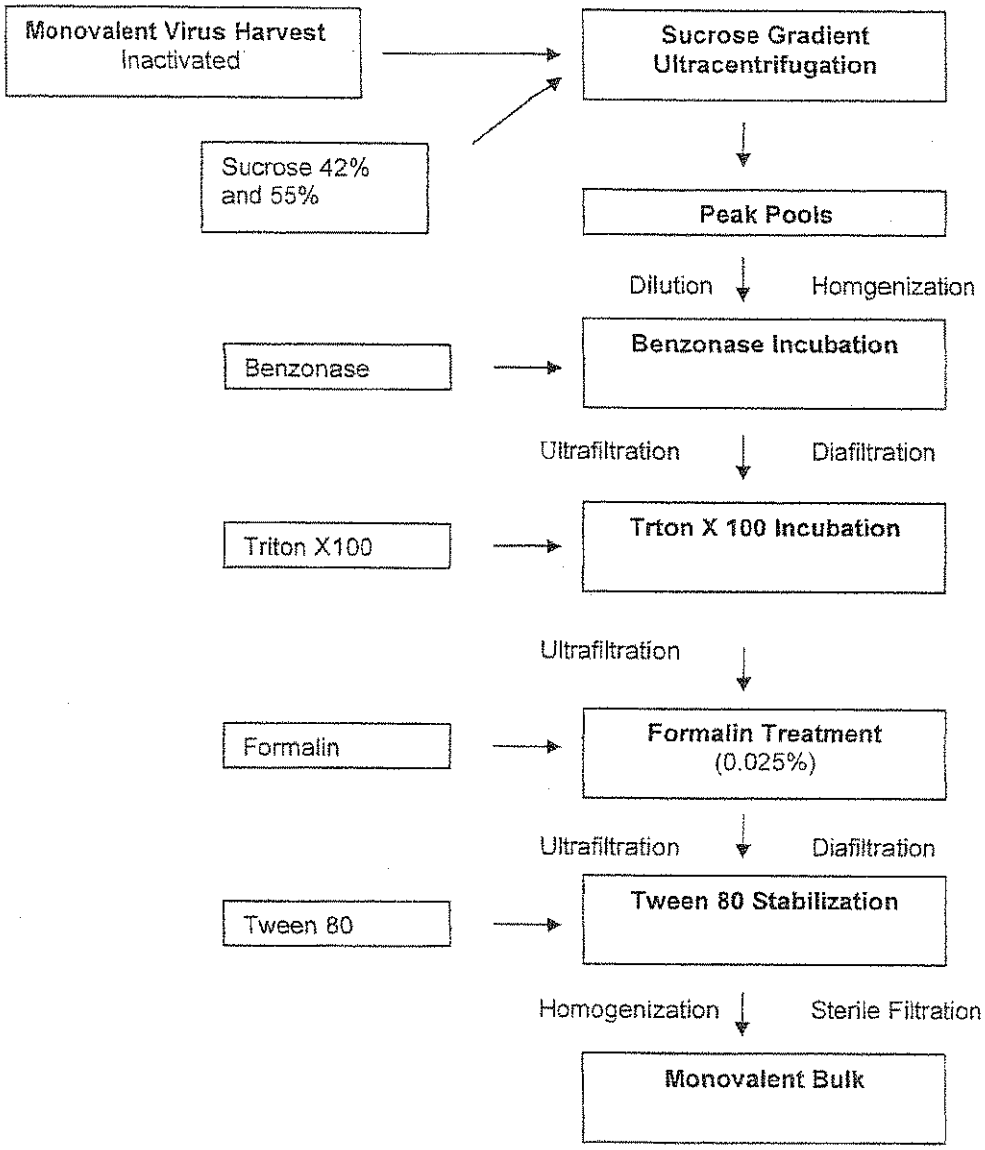

Monovalent Virus Harvest
Inactivated
Sucrose Gradient
Ultracentrifugation
Sucrose 42%
and 55%
Peak Pools
Dilution
Homgenization
Benzonase
Benzonase Incubation
Ultrafiltration
Diafiltration
Triton X100
Trton X 100 Incubation
Ultrafiltration
Formalin
Formalin Treatment
(0.025%)
Ultrafiltration
Diafiltration
Tween 80
Tween 80 Stabilization
Homogenization
Sterile Filtration
Monovalent Bulk

Fig. 1b