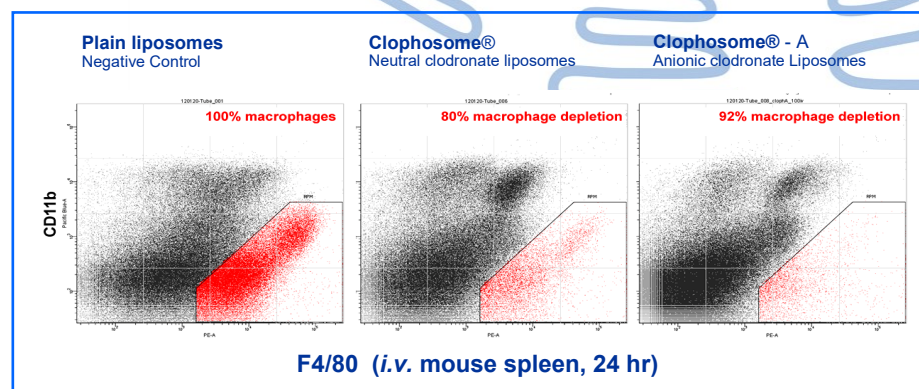


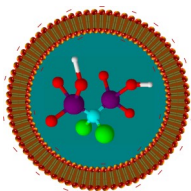
Clophosome® - Lyophilized Clodronate Liposomes

Superior Macrophage Depletion Efficiency

Clophosome® (neutral) and Clophosome®-A (anionic) have become increasingly popular for *in vivo* macrophage depletion. However their limitation has been their short shelf-life. The good news is now we are offering lyophilized Clophosome® with a guaranteed 12 month shelf-life. By simple reconstitution in water one gets simply the best clodronate liposome products on the market. Excellent macrophage depletion efficiency of > 80% is achievable with one dose of the neutral Clophosome® and even higher depletion (> 90%) with the anionic Clophosome®-A. Long-term macrophage depletion for weeks is also achievable with multiple dosing. Since the launch five years ago, Clophosome® has become the number one choice for *in vivo* macrophage depletion among immunologists, oncologists and other life science researchers all over the world.



Clophosome®
(Neutral)
(Cat#: F70101C-NL)



Clophosome® - A
(Anionic)
(Cat#: F70101C-AL)

- Lyophilized for extended shelf-life
- Macrophage depletion: 80 - 90%
- Shelf-life for dry cake: 12 months
- Reconstituted liposomes: 3 months
- Easy reconstitution in minutes
- Easy to handle/inject
- Long-term macrophage depletion
- Low toxicity



Organ/ macrophages	Products	Dosing regimen
Spleen/Red pulp Macrophages	Neutral or anionic Clophosome®	For up to one week depletion: 150 - 200µL/20g mice (i.v. or i.p.). For long-term depletion 100µL twice per week after first dose of 150µL/20g
Liver/Kuffer cells	Neutral or anionic Clophosome®	The same as above
Lung/Alveolar macrophages	Neutral or anionic Clophosome®	Use i.v. (150 - 200µL) combined with intratracheal or intranasal (50µL) for best results
Lymph nodes	Neutral or anionic Clophosome®	s.c. (100-200µL), optimal dosing regimen not established
Brian/Microglia	Neutral or anionic Clophosome®	Intracerebroventricular (ICV) into the cerebrospinal fluid. Dose: up to 10µL/mice, 50µL/rat
Blood/Monocytes	Neutral or anionic Clophosome®	150 - 200µL/20g mice (i.v.), maximum depletion occurs in 24 hr, but come back in 1-7 days depending on the subpopulation
In vitro	Only the anionic Clophosome® - A	Use Clophosome-A® (anionic) only . Optimize for best results