



Clophosome®-A - Anionic Liposomal Clodronate for Macrophage Depletion

Clophosome®-A, clodronate liposomes, is formulated for superior efficiency of macrophage depletion *in vivo*. Clodronate molecules are encapsulated in anionic phosphatidylglycerol LUV liposomes for superior activity, physical and chemical stability, and convenience of use and handling. The liposomal encapsulation efficiency of clodronate is no less than 90%. The product is suitable for dosing with various routes including intravenous, intraperitoneal, subcutaneous and etc. It is sterile filtered for long term shelf-life. A starting dose of 0.2 mL (*i.v.* or *i.p.*) for 20 - 25g animal body weight is recommended, optimize if necessary.

IMPORTANT NOTES: ALWAYS CLEAN WITH ALCOHOL AND DO NOT REUSE THE NEEDLE

Animals become sensitive to infection when macrophages are depleted and the immune system is compromised. It is extremely important to conduct the injection in a clean environment. Withdraw the liposomes through the rubber stopper (clean with alcohol first) with a new sterile needle. Always clean the injection site with alcohol and use a new and sterile needle for each injection.

CATALOGUE #:	F70101C-A
BATCH #:	12031302
DATE OF PRODUCTION:	12/06/2013
LIPID COMPOSITION:	Phosphatidylglycerol, phosphatidylcholine and cholesterol
ACTIVE:	Clodronate: (Dichloromethylene) bisphosphonic acid disodium salt tetrahydrate (CAS:88416-50-6, 22560-50-5)
CLODRONATE CONCENTRATION:	7 mg/mL
CLODRONATE ENCAPSULATION:	> 90%
BULK SOLUTION:	PBS (10% sucrose, 20mM Na PO ₄), pH 7.0-7.4
RECOMMENDED DOSE:	For macrophage depletion up to one week: 200 uL day 1 (for 20-25g mouse) For more consistent results inject 2 days in advance For longer macrophage depletion: 200uL first dose, 100uL every 4 days
FORM/COLOR:	Milky and free flow liposomal dispersion, Some settlement of the liposome particles may occur which should disperse with proper mixing.

STORAGE AND HANDLING:

Store refrigerated (2-8 deg C). **Avoid freezing.** Warm to room temperature and mix well before use

STABILITY AND GUARANTEE:

Product is sterile filtered and filled in autoclaved glass vials. Formulation stability and sterility are guaranteed (exchange only) for 6 month for unused vials stored at 2 – 8 °C

Product For Research Only, Not For Human and Companion Animal Use