

Code No. 131-19511 (1 mL)

Microglia Remover (for Control) ミクログリアリムーバー (コントロール用)

【Introduction】

Microglia are immunocompetent cells of the central nervous system that phagocytose abnormal cells and produce and release humoral factors such as cytokines, contributing to the maintenance of homeostasis. In recent years, it has been reported that microglial activation causes exacerbation of various brain diseases including Alzheimer's disease and Parkinson's disease. Therefore, to understand the basic functions of microglia, research using various methods such as intracerebral removal and transplantation of microglia is being actively conducted. Microglia Remover (for Control) is anionic liposomes suspension not containing clodronic acid. Although this product is phagocytosed by microglia as foreign substances, the death of microglia is not causing. Please use Microglia Remover (for Control) as a control of Microglia Remover.

【Descriptions】

Lipid composition	Dipalmitoylphosphatidylcholine, dipalmitoylphosphatidylserine, and cholesterol
Average particle size	100 nm
Formulation	Phosphate Buffered Saline sterilized with 0.22 μ m filter

【Storage】

Store in the dark at 2-10°C.
Avoid freezing

【Package】

1 mL

【Usage example】

< Intracerebral infusion >

1~2 μ L Microglia Remover or Microglia Remover (for Control) are infused into the cerebral parenchyma. Assess the depletion of microglia in 1~3 days post-infusion. Microglia Remover (for Control) is not causing the depletion of microglia.

【Precautions for use】

- Avoid freezing
- If it is not used for a long period of time, slowly invert the vial several times until the suspension appears homogeneous by visual inspection.
- When using Microglia Remover, take a sample from this product with sterilized instrument.
- Close the cap of the tube to prevent an influence on liposomes caused by oxidation.

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