Study on Compatible Stability of Meglumine Adenosine Cyclophosphate Injection

Wenjie MI, Li LIN, Fangyuan SHI, Yan ZHANG, Junhao QIU and Xianghong LIU *

Pharmacy Intravenous Admixture Services, Qilu Hospital, Shandong University, Jinan, China
44 Wenhuaxi Road, Jinan 250012, Shandong Province, China

SUMMARY. The objective of this study was to investigate the compatible stability of meglumine adenosine cyclophosphate injection with 5% glucose injection, oxiracetam injection, acetoglutamid for injection, citicoline sodium injection and potassium chloride injection. The relative substance and the content of meglumine adenosine cyclophosphate during 48 h were observed by high performance liquid chromatography (HPLC), as well as the changes of mixtures in appearance and visible foreign substance. No marked changes were noted for the outcome measures within 48 h; sterility test was qualified within 36 h. Meglumine adenosine cyclophosphate injection mixed with 5% glucose injection, oxiracetam injection, acetylglutamine injection, citicoline sodium injection and potassium chloride injection could remain stable within 36 h at room temperature.

KEY WORDS: meglumine adenosine cyclophosphate injection; compatibility; high performance liquid chromatography (HPLC); sterility test.

* Author to whom correspondence should be addressed. E-mail: liuxianghongzzr@163.com