The work explored the DEHP migration parameters in PVC infusion in clinic, based on the previous research on the test model of DEHP migrated from PVC infusion, to assess the safety of PVC infusion” Wang et al (2019).

Abstract:

The work explored the DEHP migration parameters in PVC infusion in clinic, based on the previous research on the test model of DEHP migrated from PVC infusion, to assess the safety of PVC infusion. The leaching solution samples in different conditions were evaluated by analysis of the DEHP in leaching solution using GC-MS under simulated clinical transfusion way. The release behavior of DEHP was significantly affected by the storage time, storage temperature, surrounding temperature, dripping speed, sterilization process, volume of the leaching solution, and the property of the leaching solution.

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