

下垂体性性腺刺激ホルモン製剤の品質特性に関する研究

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Comparison of Quality Attributes of Human Menopausal Gonadotropin Products

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Summary

Human menopausal gonadotropin (HMG), which is purified from urine of post-menopausal healthy women, has follicle-stimulating hormonal and luteinizing hormonal activities. Thus, HMG has been used to stimulate folliculogenesis for infertility therapy and assisted reproductive technology. HMG products from four manufacturers are commercially available in Japan. However, little information about the characteristics of these HMG products is available. In this study, protein content assay, SDS-PAGE analysis, and quantification of FSH, LH and hCG by ELISA were performed, in order to characterize each product. These data might be useful for clinicians to choose the proper HMG product for each patient.

Key words

Human menopausal gonadotropin, Quality, FSH, LH, hCG