〔原著論文〕Gene Kit HLA sequencing Assay (VISIBLE社)とSequencing based typing Kit (Applied Biosystems社) 法の比較検討

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(平成14年6月1日受付)

要約

これまでに開発されてきた数々のタイピング法のなかでも，最も高精度なタイピング法としてSBT (sequencing based typing) 法が挙げられる。現在，数種のシステムでのSBTが可能であり，我々の研究室でも２つのシステム，Gene Kit HLA Sequencing Assay (VISIBLE社) とSequencing Based Typing Kit (Applied Biosystems社) を使用している。今回，高精度といわれているSBT法の信頼性を検討するために，この２種のシステムにおいてそれぞれの特性やタイピング結果などを比較し，その精度について検討した。その結果，両者におけるタイピング結果は矛盾なく一致し，両者ともに，高精度かつ信頼性に優れていることがわかった。

キーワード：SBTタイピング，タイピング精度，遺伝子型

COMPARISION OF SBT SYSTEMS BETWEEN GENETIC KIT HLA SEQUENCING ASSAY (VISIBLE) AND SEQUENCING BASED TYPING KIT (APPLIED BIOSYSTEMS) METHODS.

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Summary

The SBT (sequencing based typing) system has many advantages among HLA genotyping methods which have been developed f∞or high resolution typing. At present, several allele detection systems for SBT were developed. Two SBT methods, Genetic Kit HLA sequencing Assay (VISIBLE) and Sequencing-Based Kit (Applied Biosystems) are being used as routine methods in our laboratory. In this study, in order to evaluate them as reliable SBT technique systems, we have compared accuracy and typing results between them. As a result, typing results of both techniques were in agreement with to each other, revealing that both methods were suitable for HLA high resolution typing due to their reliability and high accuracy.

key word : SBT, accuracy of typing, HLA genotyping