

The Future of Blood Grouping is Mass Genotyping for Blood Groups and Beyond

Symposium

24.09.2004

8:00 – 12:00

Stamitz-Saal



Introduction

- molecular basis of blood group genes
 - established since 1990
- allele polymorphism
 - more complex than anticipated
- all basic genetic research issues resolved
 - within the last 10 years



„Transfusion medicine: discipline with a future“

- RBC blood groups
 - It has been an exciting time for scientists with an interest in RBC antigens.
 - The genetic basis ... of all the major blood groups have, at least partially, been defined.
 - Several age-old controversies about blood group genetics have been resolved.

- Commentary
J McCullough, Transfusion 42(2003)823



Scope of this symposium

- To detail the current status of blood group genotyping
- To outline future developments
 - possible technical means for mass genotyping
- To explore possible applications for mass genotyping



Topics of this symposium

- current knowledge of molecular basis
- specific applications
 - that are routine
 - that may become routine shortly
- current applications in Czech & Spain
- ethical issues & opportunities
- the industry's perspective

