

2PS-13-04

FEEDBACK ON THE 2006 PLATELET IMMUNOLOGY WORKSHOP

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**Background:** The results of the last ISBT Platelet Immunology Workshop held in 2004, identified a great variation in the methodology, reagents and reaction times of the Monoclonal Antibody Immobilization of Platelet Antigens Assay (MAIPA) as used by the participating laboratories.

**Aims:** It was therefore decided, this year, to focus on standardizing the method and closing gaps in sensitivity and specificity. The aim was to compare 'in-house' methods with a Modified Rapid MAIPA (MR ' MAIPA) method that would be supplied to participating laboratories.

**Materials and Methods:** The participating laboratories were supplied with the following: A set of capture monoclonal antibodies

- Lyophilized platelet screening cells
- A Lyophilized genotyped platelet panel
- F- well microplates
- Solubilization buffer
- Documentation for the recording of results of MR-MAIPA

and in-house assays:

- Working instructions
- Dilution sheets
- Screening sheets
- Assay interpretation sheets

**Results:** The results obtained from the participants will be analysed and then discussed at a pre-congress meeting before presentation.

**Conclusion:** It is hoped that the modified version of what is known to be a time-consuming, labour-intensive method will compare favourably with the methods currently being used by the participants. The results of this exercise will be reviewed and it is expected that any shortcomings in the modified method will be identified. It will be proposed that this method, if found suitable, be accepted as the standard method for the detection of platelet antibodies.