

## Practical Introduction To Transfusion Science

### This programme is intended for:

- AfC band: 4 or 5
- Healthcare / Biomedical Scientist trainees
- Healthcare / Biomedical Scientists from multi-disciplinary pathology laboratories who require basic transfusion science laboratory knowledge / skills
- Healthcare / Biomedical Scientists with limited knowledge of blood transfusion science or who are returning to work from a career break (may be higher than Band 5)

### Length of the course:

Five day block course.

### To get the most out of this course the attendee should:

- Ensure the programme forms part of your Personal Development Plan
- Candidates should be working in a hospital pathology laboratory or NHSBT laboratory and have a basic knowledge of laboratory procedures and health and safety.

### The aim of the programme is:

- To provide an introduction to the underpinning knowledge of the routine practical techniques used within a transfusion laboratory, together with some basic practical experience of routine transfusion techniques.

### By the end of the programme you should be able to:

- Perform basic ABO and RhD grouping by appropriate techniques and be able to interpret results and data
- Perform antibody screening / antibody identification and correctly identify those samples containing an irregular antibody
- Perform a serological crossmatch and identify incompatible units as well as those suitable for transfusion
- Have a greater understanding of the basic underpinning knowledge required to carry out these techniques

### The programme covers the following topics (indicative content):

- Red cell antigens and antibodies
- Basic ABO, Rh and other major blood group information
- Antibody screening and basic antibody identification methods
- Pre-transfusion testing guidelines
- Basic ' blood group serology' techniques
- Provision of blood components
- Hazards of Transfusion

### Is there an assessment as part of this programme?

**Yes** - pre-course self assessed questionnaire  
 - formative observational assessment  
 - written assessments

### Core reading material to help you with this programme, (if applicable):

- This will be provided during the programme

### Dates and Venues:

Dates and venues can be found on the OWD Rolling Calendar, and on the Hospitals and Science website: <http://hospital.blood.co.uk/>

### Method of evaluation:

- Evaluation feedback from course delegates and their line managers
- Candidates self assessments and reflection on learning outcomes

### Contributes to Core Competencies

All competencies

### Additional Information:

If you would like to speak informally with someone about the programme, please e-mail [hrdirect@nhsbt.nhs.uk](mailto:hrdirect@nhsbt.nhs.uk)

### For enquiries:

Please email [hrdirect@nhsbt.nhs.uk](mailto:hrdirect@nhsbt.nhs.uk)