



Product Description

TransFix® is a patented stabilisation solution that prevents cellular degradation in human and animal blood for analytical testing purposes.

TransFix is supplied in 1ml and 20ml aliquots.

Principle and Intended Use of TransFix

The active components of TransFix stabilise leukocytes and leukocytic antigens for up to 10 days. Ordinarily, blood samples require analysing within 24-48 hours of venepuncture as the immunophenotypic profile is detrimentally affected by natural degradation. Blood samples treated with TransFix will be preserved for up to 10 days, providing the following advantages:

- More time in which to conduct testing – greater flexibility in the laboratory.
- Time for samples to be transported to/from remote sites.
- Reduction in the requirements of repeat sampling.
- The ability to batch samples for testing.

Blood samples treated with TransFix are suitable for flow cytometric testing, immune monitoring and immunohaematology screening purposes. Refer to the Cytomark website for animal blood procedures (www.cytomark.co.uk).

Procedure for Human Whole Blood

1. Carefully remove the blood collection tube cap and determine the volume of anti-coagulated whole blood within the tube.
2. Pipette into the blood collection tube an appropriate volume of TransFix at the ratio of 0.2ml TransFix per 1ml of blood.
N.B. Blood samples should be treated with TransFix immediately after collection, but failing this, blood must be less than 6 hours old when it is treated with TransFix. Do not refrigerate the sample before treatment with TransFix.
3. Replace the cap on the blood collection tube, ensuring that there is no leakage.
4. Mix gently by inversion at least 10 times and store at 2-25°C for up to 10 days*. Do not vortex.
5. If refrigerated, allow the stabilised blood sample to return to room temperature (18-25°C) before preparing it for cellular analysis.
6. Examine the sample e.g. using routine flow cytometry evaluation.
N.B. The dilution factor must be accounted for when calculating absolute cell counts i.e. multiply the cell count by 1.2.
N.B. Cross linking of proteins may occur when using TransFix. We therefore recommend that all antibody conjugates are validated in association with TransFix prior to routine use. Samples of TransFix are available on request.

* Studies have demonstrated that it is possible to analyse TransFix stabilised blood cells that have been stored at temperatures of up to 37°C after 4 days (refer to references), but these conditions are not validated at Cytomark.