

TransFix[®]

Cellular Antigen Stabilising Reagent

BULK

Product Description.

TransFix is a patented whole blood stabilisation solution developed by Sheffield Teaching Hospitals NHS Trust and distributed under licence by Cytomark Ltd.

Principle of Stabilisation

TransFix is added at a predetermined ratio to an aliquot of whole blood to be stabilised. The active components of TransFix will stabilise cellular antigens for up to thirty days. In whole blood immunophenotyping K3EDTA anticoagulated specimen is mixed with 200ul of TransFix per ml of blood. The preparation is then treated as a “routine” sample for immunophenotyping procedures and will maintain its staining profile for up to ten days (10) when stored at 4°C

Reagent

| | |
|-------|------------------|
| TF1 | 1ml sample |
| TF20 | 20ml Bottle |
| TF100 | 5 x 20ml Bottles |

Statement of Warnings

1. TransFix[®] treated specimens, samples and all material coming in contact with them should be handled as if capable of transmitting infection and disposed of with proper precautions.
2. TransFix[®] should be mixed with blood samples within 6 hours of venepuncture. Samples awaiting addition of TransFix should be stored at 18-25°C. **Do not refrigerate.**

3. Avoid contact of TransFix and TransFix^X treated samples with skin and mucous membranes. Any contact should be washed off with cold water immediately.
4. Do not use beyond the reagent beyond the expiration date printed on the bottle.
5. Incubation times or temperatures other than those specified may give erroneous results.
6. TransFix does not contain anti microbial reagents. Microbial contamination must be avoided or erroneous results may occur.
7. Use Good Laboratory Practices (GLP) when handling this reagent.

Storage conditions and stability

Store TransFix single use blood collection tubes at 4°C. Unopened tubes are stable for 6 months or until the expiration date printed on the label.

Evidence of deterioration

The normal appearance of TransFix is that of a clear pale green liquid. Any change in the physical appearance of the reagent may indicate deterioration and the reagent should not be used.

Materials required but not supplied

1. Evacuated blood collection tubes with anticoagulant (K3EDTA, ACD, Heparin)
2. Pippetors and plastic tips capable of delivering 200ul to 1000ul.
3. Plastic storage rack
4. Labels to indicate the specimens, samples have had TransFix reagent added.

Anticoagulant

In whole blood samples an EDTA salt (K3EDTA) is the anticoagulant of choice for TransFix.

Procedure

No preparation is needed.

1. Determine volume of blood in the blood collection tube. Note: In the Vacutainer system a full blood collection tube will contain 4ml of blood.
2. Carefully remove blood collection tube cap.
3. Pipette into the blood collection tube, an appropriate volume of TransFix at the specified ratio of 200µl TransFix per 1000µl of blood.
4. Replace blood collection tube cap, ensuring no leakage is evident.
5. Hand mix by repeated inversion 25x to distribute the TransFix reagent completely through the blood sample.
6. Label blood collection tube to indicate that Transfix reagent has been added.
7. Place sample in a rack for subsequent cellular antigen assay. TransFix[®] treated samples are stable for up to 10 days at 4°C, 7 days at Room Temperature (18°C to 24°C) and for 3 days at 37°C

Please Note:

Blood samples stored at 4°C must be allowed to return to ambient temperature before any cellular antigen assays are performed.

Stored TransFixed treated samples must be mixed thoroughly by inversion (25x) to resuspend cells before analysis by flow cytometry. Cell counts from TransFixed samples must be divided by 0.83 to adjust for the dilution factor.

Cytomark is a Division of Caltag MedSystems Ltd, a Company registered in the UK, Company number 4162330.

Caltag Medsystems Ltd
Whiteleaf Business Centre
11 Little Balmer
Buckingham
MK18 1TF
UK

Tel: +44 (0) 1280 827460
Fax: +44 (0)1280 827466
Email: office@caltagmedsystems.co.uk
Web: www.cytomark.co.uk