

TransFix[®]

Cellular Antigen Stabilising Reagent

Single Use Sample Storage Tubes

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

TF102 10 x Single use sample storage tubes
TF252 25 x Single use sample storage tubes
TF502 50 x Single use sample storage tubes

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[®] 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. Pipettors 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. Carefully remove blood collection tube cap and remove 1ml of anticoagulated whole blood.
2. Replace blood collection tube cap, ensuring no leakage is evident.
3. Add 1 ml of anticoagulated whole blood to a TransFix single use blood sample tube
4. Hand mix by repeated inversion (5x) to distribute the TransFix[®] reagent completely through the blood sample.
5. Label blood sample tube with patient details.
6. Place sample in a rack for subsequent cellular antigen assay. TransFix treated samples are stable for up to 10 days at 4°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.

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