

PRODUCT INSERT
REAGENTS FOR FLOW CYTOMETRY
TransFix® Cellular Antigen Stabilizing Reagent

| Product Code | Volume | Tests |
|---------------------|-----------------|--------------------------|
| Fix 2 | TransFix® 2ml | to stabilize 10ml blood |
| Fix 20 | TransFix® 20ml | to stabilize 100ml blood |
| Fix 100 | TransFix® 100ml | to stabilize 500ml blood |

Product Description.

TransFix®* is a proprietary whole blood stabilization solution, and is a general purpose reagent (GPR).

Principle of Stabilisation

TransFix® is added at a predetermined ratio to an aliquot of whole blood to be stabilized. The active components of TransFix® will stabilize common cellular antigens for up to thirty days. In whole blood immunophenotyping the *EDTA(K₃)* anticoagulated specimen is mixed with 200µl of TransFix® per ml of blood. The preparation is then treated as a “routine” sample for immunophenotyping procedures and will maintain its staining profile of common cellular antigens for up to ten days when stored at room temperature (18 – 25°C) or for up to 30 days when stored at 4°C.

Statements 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 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 antimicrobial reagents. Microbial contamination must be avoided or erroneous results may occur.
7. Use Good Laboratory Practices (GLP) when handling this reagent.

GENERAL PURPOSE REAGENTS. FOR LABORATORY USE ONLY

www.invitrogen.com

Invitrogen Corporation • 542 Flynn Rd • Camarillo • CA 93012 • Tel: 800.955.6288 • E-mail: techsupport@invitrogen.com

PI: L11574

(Rev 10/08) DCC-08-1089

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Storage conditions and stability

Store TransFix[®] at room temperature (18-25°C). Contents of unopened bottles are stable until the expiration date printed on the label. Contents of opened bottles are stable for 1 month after opening.

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 (*EDTA(K₃)*, ACD, Heparin)
2. Pipetors and plastic tips capable of delivering 200ul to 1000ul.
3. Plastic storage rack.
4. Labels to indicate the specimens, samples have had the transfix [™] reagent added.

Anticoagulant

For whole blood samples, EDTA salt (*EDTA(K₃)*), is the anticoagulant of choice for TransFix[®]. However ACD or Heparin may also be used.

Procedure

Use TransFix[®] reagent directly from the bottle.

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 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 30 days at 4°C, 10 days at Room Temperature (18°C to 25°C) and for 4 days at 37°C for most common cellular antigens.

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Please Note:

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

Stored TransFix[®]-treated samples must be mixed thoroughly by inversion (25x) to resuspend cells before analysis by flow cytometry

Cell counts from TransFix[®]-treated samples must be divided by 0.8 to adjust for the dilution factor.

* TransFix[®] is a registered trademark of Sheffield Teaching Hospitals NHS Trust.

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