

BedSide Transfusion

CROSSMATCH TEST
LABTEST VERSION



5 min
HANDLING



10 min
INCUBATION



ALVEDIA
alice veterinary diagnostics

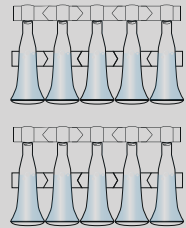
What we provide



10 BeST membranes

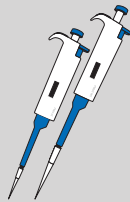


1 buffer solution



10 migration buffers

What you need



2 micropipettes
(10-100µl + 100-1000µl)



x10

1 test tube (5mL)
for 1 XM Test



Centrifuge

A

MOVIE PROCEDURE
(Scan the QR code)



Test procedure
Test reader
E-recording
Scientific assistance
Troubleshooting

B

PREPARATION OF BLOOD TUBES FOR MAJOR XM*

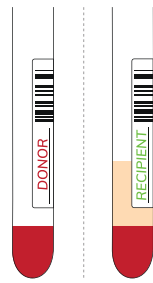
Centrifuge at 1 000g



DONOR: remove
plasma & keep
pRBCs

OR collect pRBCs
from blood bag
segment.

RECIPIENT:
keep plasma



* For Minor XM: Reverse the donor & recipient tubes.
EDTA, CPDA or ACD ONLY. Do not use heparin.

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C PROCEDURE FOR MAJOR XM

STEP 1



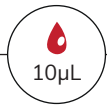
1 buffer
solution



STEP 2



Donor
pRBCs



STEP 3

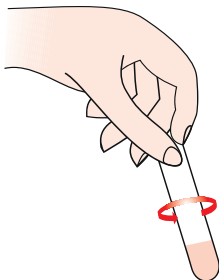


Recipient
plasma



1 test tube

STEP 4 Mix suspension



STEP 5 Incubation



Incubation
at room temperature

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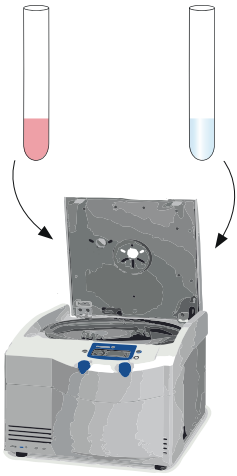


10 min
INCUBATION



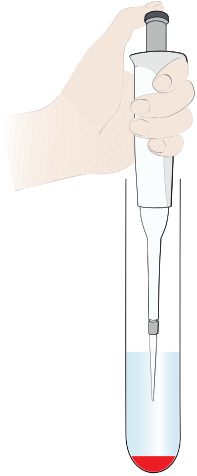
STEP 6 Centrifuge

Test tube Balance tube
(not provided)



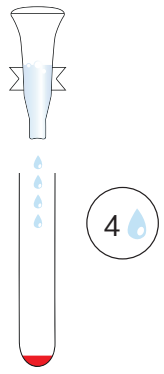
At 1 000g

STEP 7 Remove only supernatant

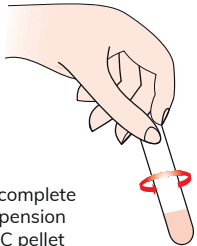


↑
Keep RBC
pellet

STEP 8 Add 4 drops

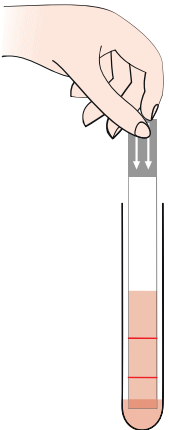


STEP 9 Mix suspension



Until complete
resuspension
of RBC pellet

STEP 10 Add test strip



**Scan your test
to get the result**



RESULTS



**COMPATIBLE
SAFE TRANSFUSION**



**INCOMPATIBLE
DO NOT TRANSFUSE**



WEAK LINE = POSITIVE RESULT



**RARE CASE:
STRONG AUTO-AGGLUTINATION**

Scientific information:

- This test allows you to detect all DEA incompatibilities, including DEA 1, DEA 4, DEA 7... and other red blood cell alloantibodies.
- This test is used to detect alloantibodies after a mismatched transfusion or rare naturally occurring alloantibodies.
- For better sensitivity, especially in weak incompatibilities, we recommend confirming results with the Alvedia Gel Test technology (detection of low-affinity antibodies).
- Blood typing for DEA 1 is always recommended before any transfusion.
- Positive XM reactions may be observed in IMHA patients due to circulating autoantibodies present in the recipient plasma.
- Test results must be interpreted in conjunction with the clinical and therapeutic context.