

Practical class 4

Lysis test

- Put 2 drops of sheep whole blood into a 5 ml test-tube, add 4 drops of amboceptor (rabbit antibodies) and 8 drops of complement
- Hold the tube in your hand for about 1-2minutes

Application

Class 3- Cellular adaptive response

1. Lymphocyte isolation of density gradient

- Add about 3 ml Gradisol L (about 1/3 of the tube) to the large 10 ml tube
- Apply the patient's whole blood (using a pipette) to the tube with Gradisol L inclined at 45 ° C. Do not mix the suspensions
- Centrifuge the tube - 15 min at 1700 rpm
- Download using a pipette resulting buffy coat cells and move to a clean tube
- Illustrate the result obtained in the tube after centrifugation:



2. Rosette assay

Test principle:

- Type E –
- Type EA –
- Type EAC –

Estimate the preparation than illustrate and describe a positive result of the test:



Application of the test-

3. Blastic transformation assay

Test principle:

Estimate the preparation than illustrate and describe a positive result of the test:



Application of the test:

4. MIF assay

Test principle:

Application of the test:

5. Direct immunofluorescence

Principles:

Application:

6. Flow cytometry

Principles:

Application:

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Lysis test

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Application

Class 10- Transplant immunology and graft rejection

1. Please describe:

Lymphocytotoxic test

General principles:

PRA

Principles:

Application:

Cross-match

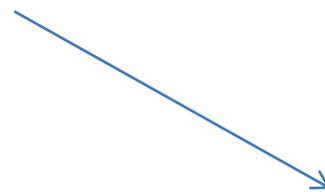
Principles:

Application:

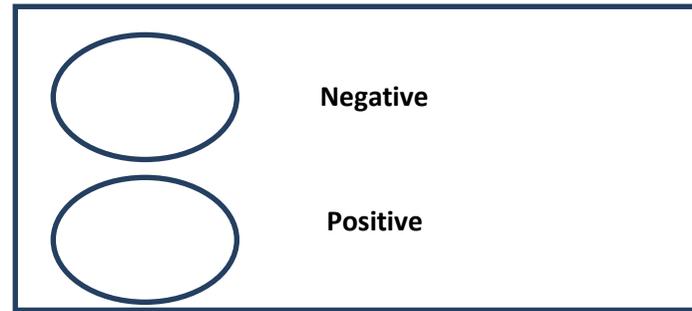
Lymphocytotoxic test

Principles:

Application:



2. Please illustrate positive and negative outcome of lymphocytotoxic test



Terasaki plate

3. Please interpret HLA assessment performed with molecular method PCR-SSP