

KBM591 Culture Media Protocol

Product features

KBM 591 is a Xeno-free medium developed for culturing peripheral blood lymphocytes without serum.

T Lymphocytes culture protocol

Cells: Adult normal peripheral blood mononuclear cells

Media: KBM591

Vessel: 24 well cell plate

- 1) Add IL-2 to KBM591 at a final concentration of 1,000IU/mL.
- 2) Seed PBMCs isolated from peripheral blood or cryopreserved into the plate coated with anti-CD3 antibody from 0.5×10^6 cells/mL to 1.0×10^6 cells/mL and incubate at 37°C, 5% CO².
- 3) After 4 to 5 days, check the cell number and dilute with culture medium so that the cell density is 0.5×10^6 cells/mL. At this time, it is better change from anti-CD3 antibody coated plate to uncoated plate for better results.
- 4) By repeating step 3 every few days and culturing for 10 to 14 days, it is possible to obtain a large amount of T cells. In this case, better results will be obtained if the cell density does not exceed 2.0×10^6 cells/mL

※ The amount of medium used for culture depends of the initial cell numbers.