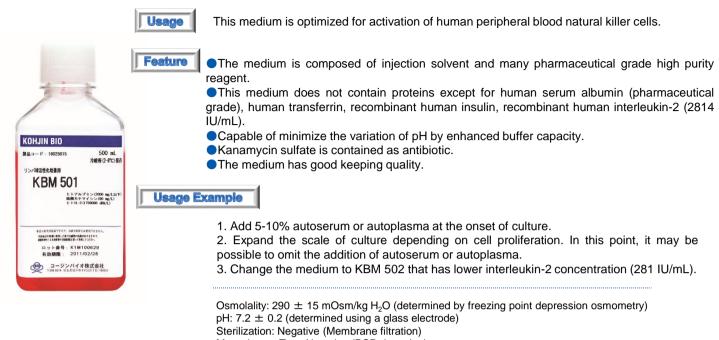
KBM 501 (Medium for Activation of Human NK Cells)

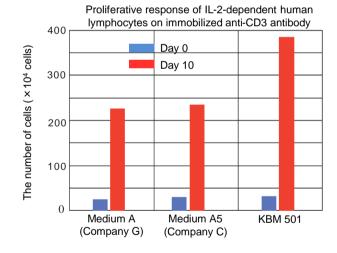


Mycoplasma Test: Negative (PCR detection)

Endotoxin Test: Less than 0.3 EU/mL (Determined by Limulus amebocyte lysate assay)

Notice: This product is only for research use, and not for human or animal therapeutic use.

Cell Culture Examples



Performance evaluation of KBM 501:

Cell: Normal human peripheral blood monocytes

Vessel: 12-well plate on which anti-human-CD3 antibody is immobilized.

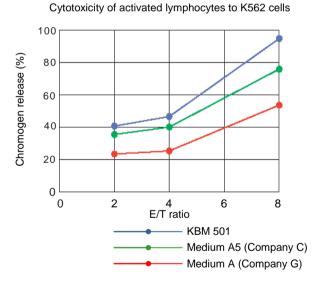
Cytokine: Recombinant human interleukin-2 (2814 IU/mL)

Plasma: 1% inactivated autoplasma was added at the onset of culture.

Proliferative test: The culture was started at a seeding density of 27×10^4 cells/mL, under static conditions at 37° C, 5% CO2. The culture was diluted by adding each medium containing plasma upon cell proliferation. At day 10, cells unstained by trypan blue were counted.

Analysis: At day 10, surface markers of activated lymphocytes were analyzed by flow cytometry, and cytotoxicity to K562 cells were measured with TeraScan that is a microfluorocytometer developed for measuring cytotoxicity.

Code: 16025015 Product Name: KBM 501 Form: Liquid Cytokine: Recombinant human interleukin-2 (2814 IU/mL) Size: 500 mL Storage: 2-8°C Shelf Life: 8 months from production date



Surface markers of activated lymphocytes

	Incidence (%)		
Surface marker	KBM 501	Medium A	Medium A5
CD3 ⁻ CD56 ⁺	1.74	1.23	0.54
CD3 ⁺ CD56 ⁺	15.52	32.93	35.91
CD3- CD56-	0.93	2.06	0.68
CD3 ⁺ CD56 ⁻	81.81	63.78	62.87