



## **KMG-2 Conditioned Growth Supplement**

### *Description*

KMG-2 is isolated as cell culture supernatant from the cell line 5637 (a human bladder carcinoma cell line). KMG-2 contains a variety of colony stimulating activities, such as granulocyte colony-stimulating factor (G-CSF), granulocyte-macrophage colony-stimulating factor (GM-CSF) as well as human erythroid enhancing activity. It stimulates colony formation in human progenitor cells (CFU-GEMM), in-vitro growth of human bone marrow cells and of erythroid (BFU-E) and granulocyte-macrophage (CFU-GM) cells. It does not contain IL-3.

### *Application*

KMG-2 is ready-to-use and is added to the recommended cell culture medium at a final concentration of 10%.

### *Composition*

The culture medium of 5637 is RPMI 1640 Medium supplemented with 2 mM L-glutamine, 10% fetal bovine serum (FBS; derived from bovine fetus originating from South America, manufactured at Biochrom AG, Berlin, Germany) and 1% antibiotics. KMG-2 is collected according to a special incubation schedule; any cells or cell debris has been removed by a couple of centrifugation steps.

### *Quality control*

Each lot has been tested for activity as well as sterility. Mycoplasma contamination has been excluded by PCR and Mycoalert Assay.

### *Storage*

The supplement can be stored at +4°C (refrigerator). For prolonged storage, it can be kept at about -20°C for at least one year. Several thawing/ freezing cycles should be avoided.

Please store in the dark.