

# UltraGRO™

- Xeno-free /Serum-free supplement
- New Advance For Cell Culture and Stem Cell Therapy R&D

## **NEW** Human Platelet Lysate Growth Factor Mixtur

### UltraGRO™ Cell Culture Supplement

UltraGRO™ meets your need for a consistent, commercial-scale, and reliable human protein based cell culture supplement that can support your cell production from research through to clinical trial use. UltraGRO™ contains abundant growth factors and cytokines necessary for cell growth and proliferation to replace fetal bovine serum (FBS) for growing Adipose-Derived (AD), Bone Marrow (BM) or Umbilical Cord (UC) Mesenchymal stem cells (MSCs). Growth kinetics for MSCs expanded in 5% UltraGRO™-containing medium are comparable to cultures grown in medium supplemented with 20% FBS. UltraGRO™ grows cells quicker and safer, lowering your costs per volume of cells grown.

### UltraGRO™ Safe Material

UltraGRO™ is derived from normal human platelets collected at North American blood centers. Each platelet unit has been tested and approved for transfusion use. UltraGRO™ is manufactured from pooled multiple single donor units in large batch sizes. Replacing FBS with UltraGRO™ allows for production of functional mesenchymal stem cells without the risk of xenogeneic immune reactions, transmission of bovine prions, and viral pathogens. The US FDA is moving towards adopting European guidelines requiring that bovine materials be removed from culturing media for any therapeutic product containing cultured cells, which makes UltraGRO™ an attractive alternative for the production and manufacturing processes. UltraGRO™ lots are tested for pathogens according to FDA guidelines.



### DESCRIPTION

### ITEM

	50 ml	HPCPLCRL05
UltraGRO™ Cell Culture Supplement	100 ml	HPCPLCRL10
	500 ml	HPCPLCRL50

