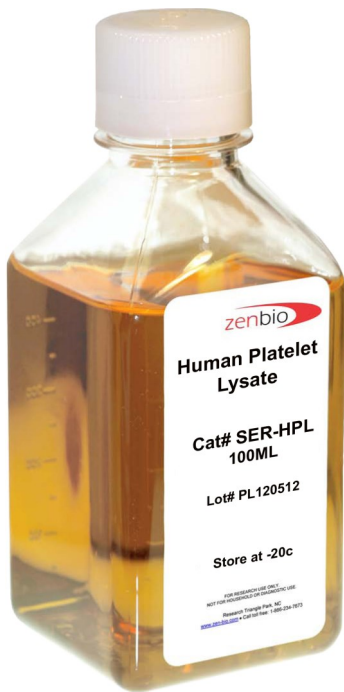




Advanced Cell-Based Solutions & Services



Human Platelet Lysate



Human Platelet Lysate

Human Platelet Lysate (HPL) is a non-animal derived cell culture growth supplement obtained from blood platelets after freezing and thawing. HPL contains abundant growth factors and cytokines necessary for cell growth and proliferation. Platelet lysate can be used as a source of growth factors to replace bovine serum in cell culture medium. For example, growth kinetics for primary kidney cells maintained in 5% HPL-containing medium were found to be comparable to that of cultures grown in medium supplemented with 10% FBS. Replacing bovine serum with HPL allows for expansion and clinical grade production of functional mesenchymal stromal cells by removing the risk of xenogeneic immune reactions and transmission of bovine prion 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, thus making HPL an attractive alternative to the production and manufacturing processes. **All lots are fully tested for pathogens according to FDA guidelines.** ZenBio HPL is for research purposes only.

See performance data on the back—>

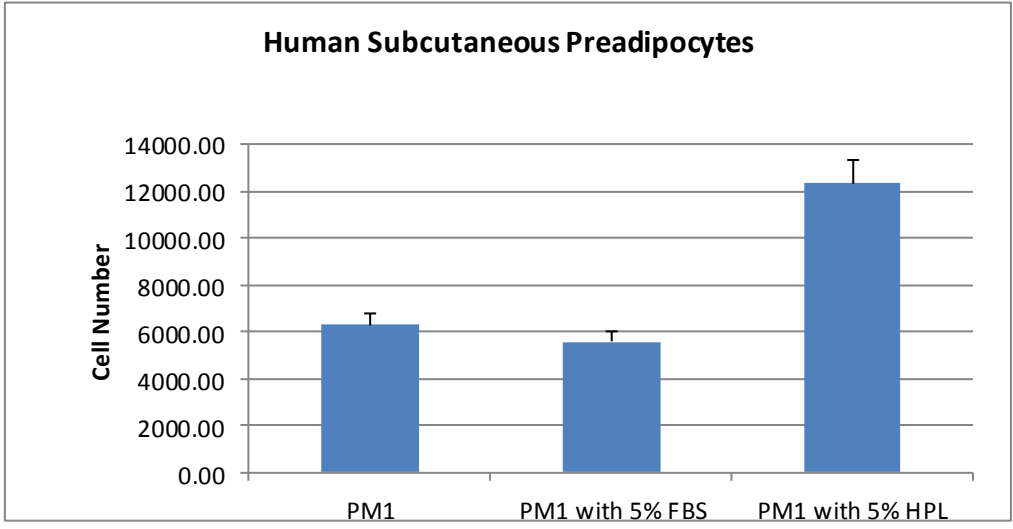
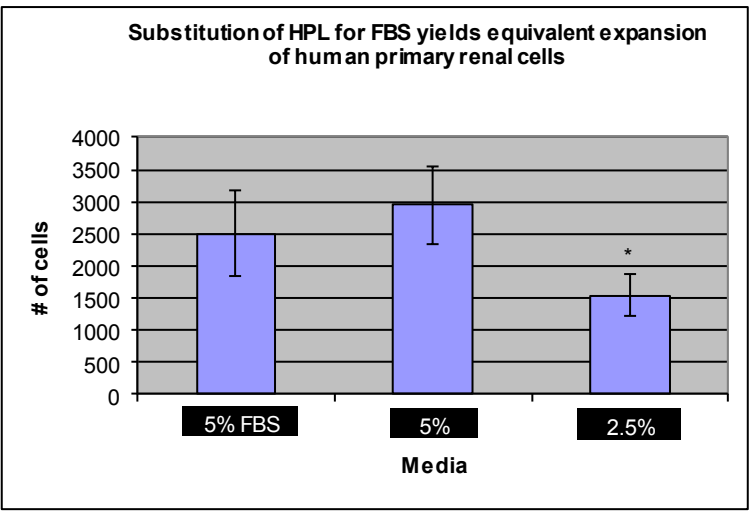
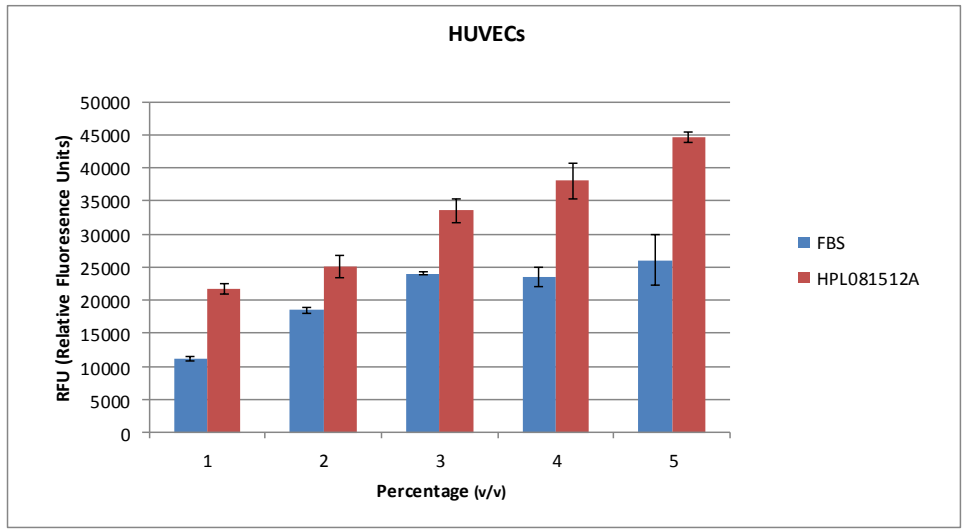
Product Description	Size/Qty	Cat. #	Price
Human Platelet Lysate, Frozen, Pooled	100ml	SER-HPL	\$325.00



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