



**PL** BioScience

WE DELIVER CELL SOLUTIONS

## ELAREM™ TECHNOLOGY

### PLATFORM OF SAFE & EFFICIENT CELL CULTURE SUPPLEMENTS

ELAREM™ is a platform of animal-free cell culture supplements based on human platelets. Platelets are rich in growth factors and nutrients that have been shown to accelerate *in vitro* expansion of various cell types. These components are extracted to produce a nutrient-rich Human Platelet Lysate (HPL).

At PL BioScience, we have the vision of animal-free cell culture solutions – with the aim to cover all applications, from research to cell therapy.

So, we developed our Human Platelet Lysate as a superior alternative to the still widely used Fetal Bovine Serum (FBS): Human Platelet Lysate not only eliminates the risk of animal-derived pathogen and prion transmission but also ensures ethical and efficient cell culture projects.

### BENEFITS OF THE ELAREM™ PORTFOLIO



#### Time & money saving

Enhanced cell proliferation combines with reduced supplementation



#### Safe conditions

GMP conditions without risk of animal-derived pathogen transmission



#### Reproducibility

Lot-to-lot consistency eliminates the need of batch testing



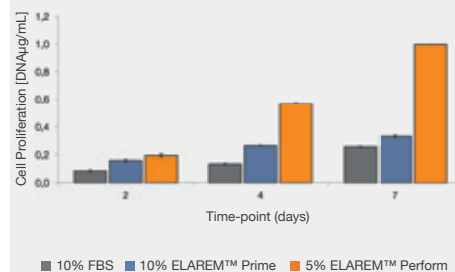
#### Ethical responsibility

HPL is provided by a sustainable source and supports animal welfare

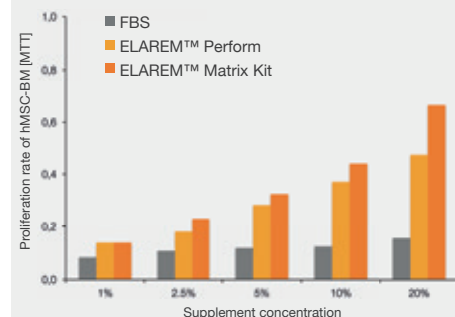
### SAFETY MATTERS

- **Raw material:** Platelet units are supplied by licensed blood donation centres where donors have been tested negative for infectious diseases.
- **Manufacturing:** Raw materials, equipment and facilities are in compliance with applicable cGMP regulations.
- **Final product:** Standardized quality control testing is performed in a certified test laboratory.

#### Cell proliferation of hASC with ELAREM™ Prime, ELAREM™ Perform and FBS



#### Proliferation of bone-marrow hMSC increases in a concentration-dependent manner



#### HPL maintains differentiation potential of adipose-tissue hMSC

