

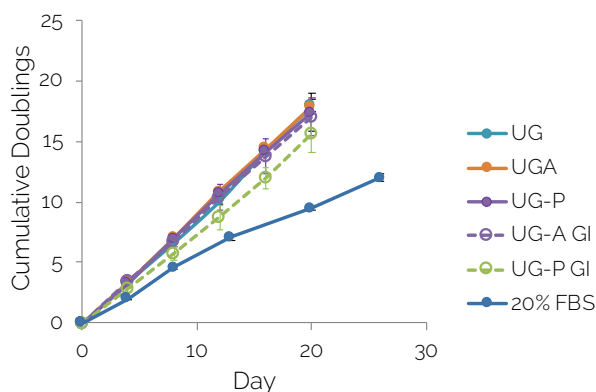
Cell Culture with UltraGRO™ Product Lines

Human platelet lysate (hPL) has been identified in numerous studies to be an effective, preferred xeno-free cell culture supplement to replace FBS. It contains abundant growth factors and cytokines necessary for cell proliferation and is increasingly used globally as an ancillary material in clinical protocols for cell and gene therapy (CGT) product production. GMP-compliant hPL products are manufactured from pooled human platelets collected from healthy donors at FDA-licensed blood centers, and each donor is tested in compliance with FDA guidance. Potency is highly consistent when pooling hundreds of platelet units for each lot, achieving minimal batch-to-batch variation.

BENEFITS OF ULTRAGRO™

- Non-xenogeneic/ xeno-free serum substitute
- No adhesion factor needed
- Replace 10-20% Fetal Bovine Serum (FBS) with 5% UltraGRO product lines
- Better performance than FBS in primary isolation and expansion cultures
- Shorten population doubling times (20-30 hrs)
- Research and GMP grade for seamless bench to bedside transition
- Large batch production to minimize batch-to-batch variability

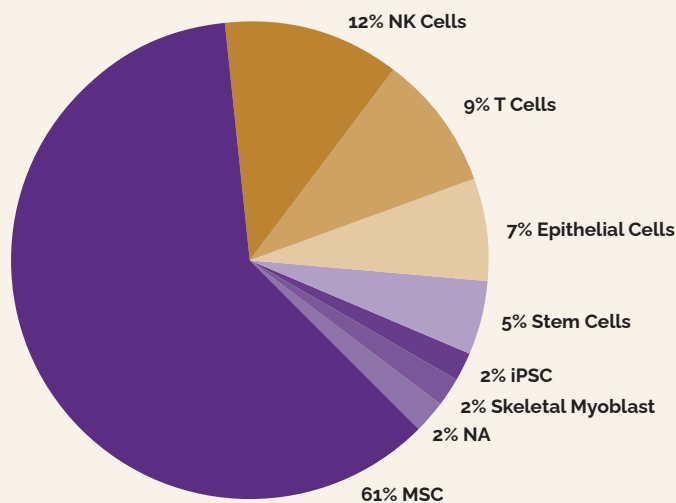
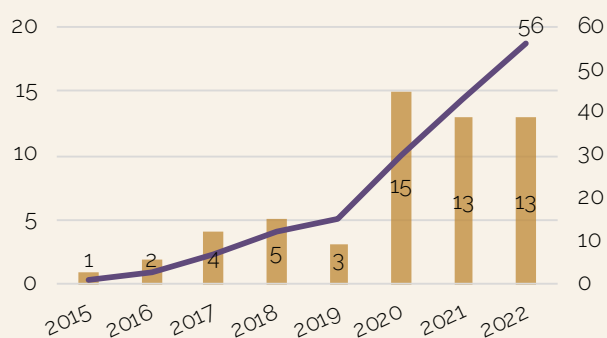
5% UltraGRO™ product lines in ADMSC cultures



UltraGRO™ Product Lines in Patents

56 Registered Patents

Patents registered with UltraGRO™



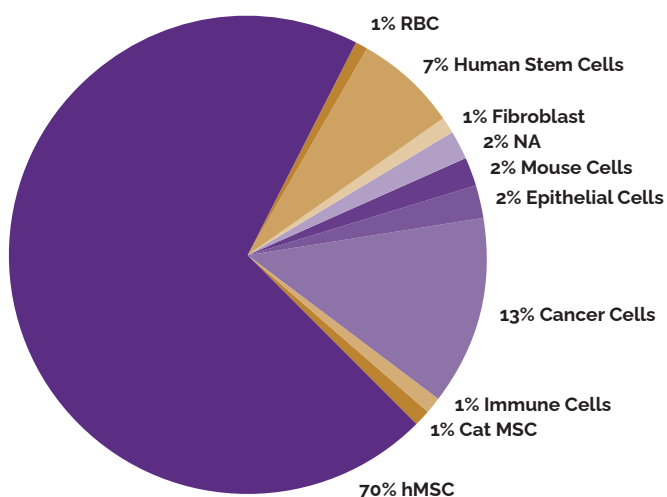
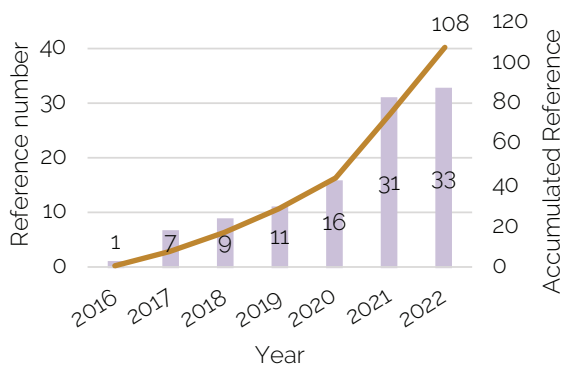
Published UltraGRO™ Product Lines Applications

108 References / A Total of **31** Cell Lines

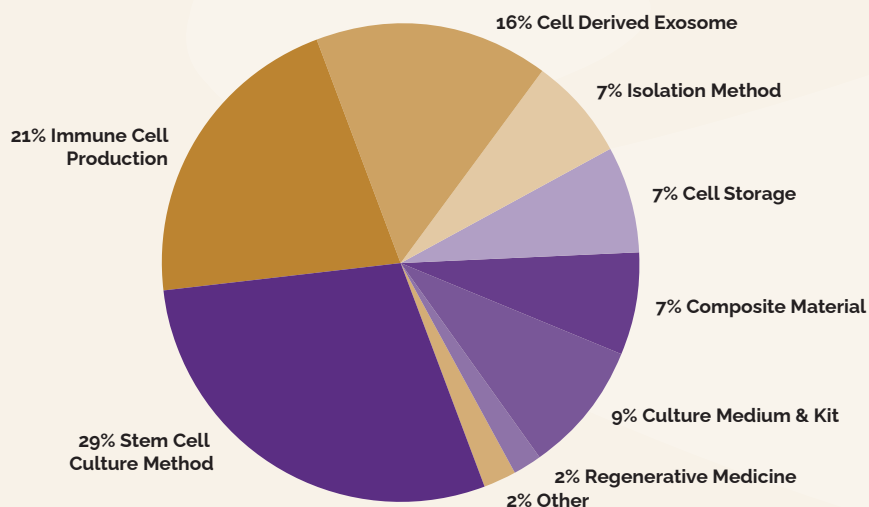
Use with Confidence!

Academic publications from all around the world are using UltraGRO™ product lines for biomedical research!

Published references



Cell Line Applications			
1	UCMSC	17	Primary T
2	ADMSC	18	PBMC
3	BMMSC	19	A2780
4	Amniotic-derived MSC	20	HEY
5	Chorionic villous-derived MSC	21	HO8g10
6	WJ-MSC	22	GBM
7	Placenta-derived MSC	23	A549
8	ADSC	24	HUVECs
9	Skeletal stem cells	25	Hs68 cells
10	Corneal epithelial cell	26	OVCAR4
11	Primary human foreskin fibroblasts Leydig-like cells	27	mouse Neuro-2a cell line
12	mouse MSC	28	Hela
13	Circulating tumor cells	29	SNK-6 cells
14	PBMC-derived DC	30	SNK-6
15	RBC	31	ADM-SP
16	SKOV3		



UltraGRO™ product lines have been applied on different kinds of cells for 9 innovated therapeutic sectors of patent registrations!

Get more information on the UltraGRO product lines

