

Human Keratinocyte & Dermal Papilla Cells Culture



Chemically Defined Solution for ideal Research

CellCor™ is a chemically defined culture medium that is free of animal ingredients. **CellCor™** has been established as safe as commercial media and has been shown to perform equally or better compared to commercial media.

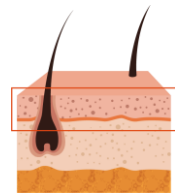
Cell Culture Medium Classification

Serum contained	Serum-free	Xeno-free	Chemically defined	
			ACF *	AOF **
Containing animal derived serum and exosomes such as FBS.	Serum-free		Containing recombinant proteins and chemical components/ Excluding animal derived components	Containing recombinant proteins and chemical components/ Excluding animal derived components
	Containing animal derived components	Containing human derived components	No animal derived components in final product	Exclusion of animal derived components in the entire raw material and production process

* ACF: Animal-component free, ** AOF: Animal-origin free

Product Information

CellCor™ Kera CD AOF



Keratinocyte specific marker Gene/Protein expression

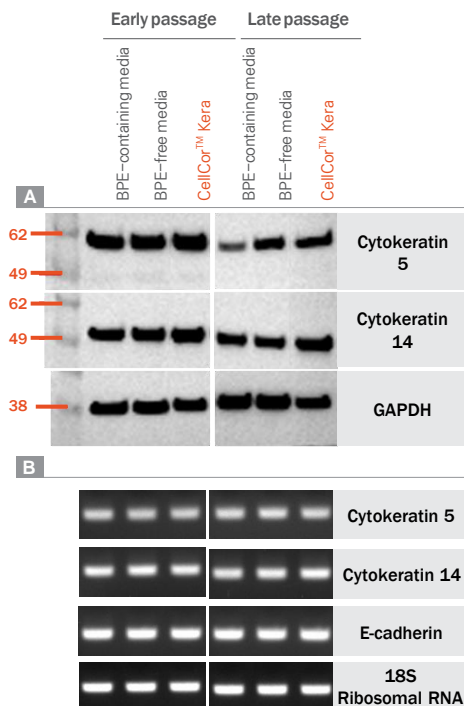


Figure 1 | Comparison of gene expression level of keratinocytes

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High growth rate and viability even without BPE

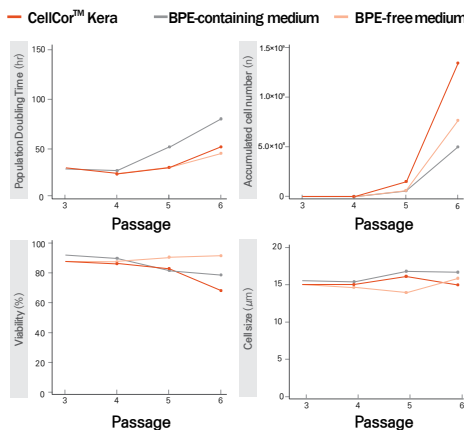


Figure 2 | Comparison of growth rate, viability and cell size of keratinocytes

High cell activity even without BPE

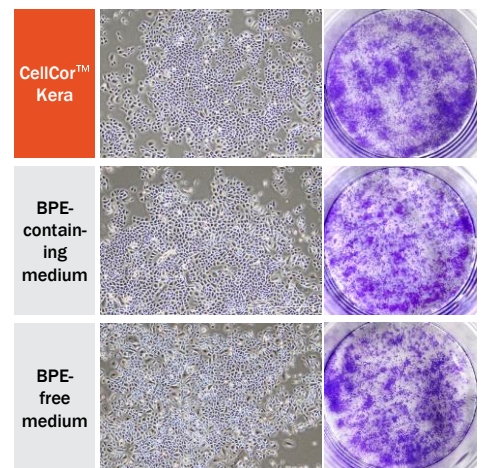
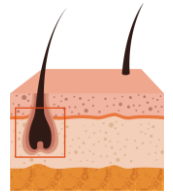


Figure 3 | Comparison of cell activity of keratinocytes

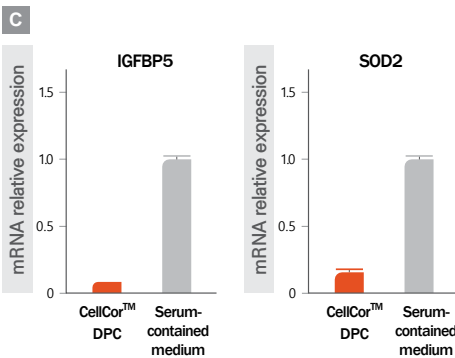
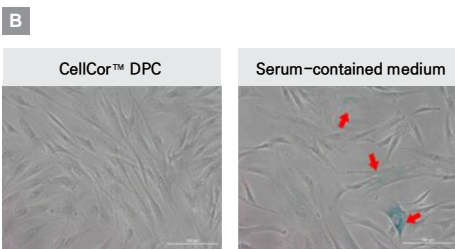
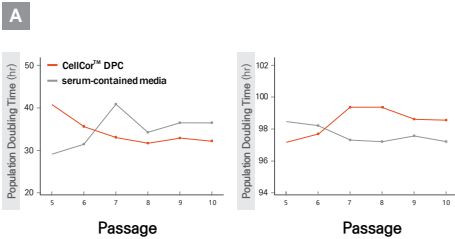
- ◆ Perfect chemically defined medium without animal or human derivative.
- ◆ No supplement required and can be used without coating materials.
- ◆ Safety assurance essential for the development of skin related medicines and medical devices
- ◆ Capable of mass production with superior proliferation ability compared to commercial medium

Product Information

CellCor™ DPC CD AOF



◆ Maintain stable cell proliferation rate, increase survival rate, and low senescence



◆ High ability of hair follicle reconstitution

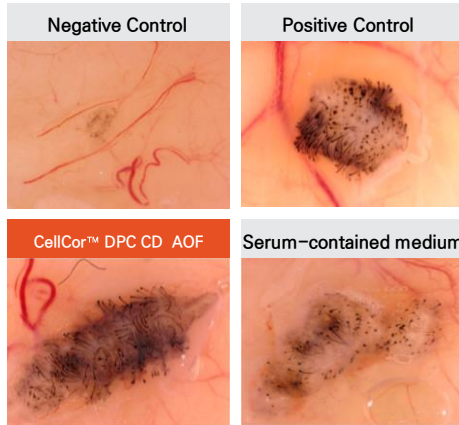


Figure 2 | Comparison of hair follicle reconstitution ability of DPC

◆ Dermal papilla cell specific marker expression

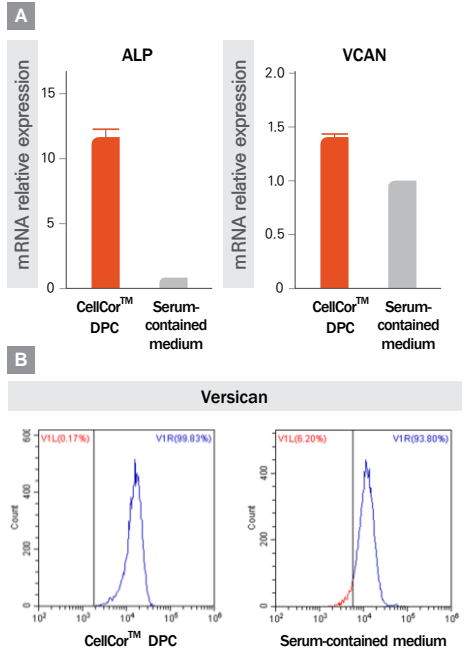


Figure 3 | DPC specific markers maintain stable in CellCor™ DPC CD AOF than commercial media

| A Comparison of specific gene expression level of DPC

| B Comparison of specific protein expression level of DPC

Figure 1 Performance comparison of CellCor™ DPC CD AOF and Serum-contained medium

| A Comparison of growth rate and cell viability of DPC

| B Comparison of cellular senescence of DPC

| C Comparison of apoptosis and aging-related gene expression level of DPC



Product	CellCor™ Kera CD AOF	CellCor™ DPC CD AOF
Cat. No.	YSP019	YSP007
Cell type	Human Epidermal Keratinocyte	Human Dermal Papilla Cell
Storage	Under -20°C	Under -20°C
Volume	500 mL	500 mL
Supplement	No supplement and coating reagent	No supplement and coating reagent
Shelf life	12 months	12 months
Applications	Expansion of human keratinocyte	Expansion of human dermal papilla cell



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