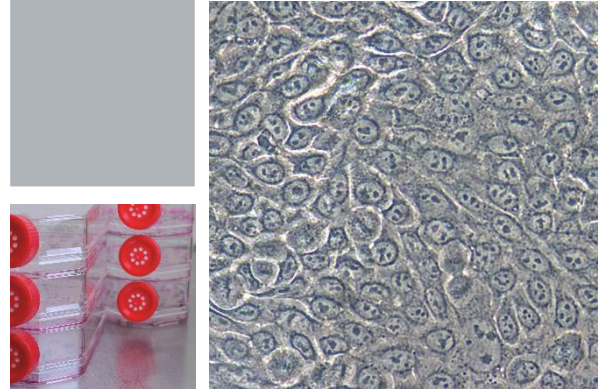


E-Mail: info@phenion.com

Web: www.phenion.com

Certificate of Analysis
Phenion® Cells
Normal Human Epidermal
Keratinocytes, juvenile



Product Information

Product Name	Normal Human Epidermal Keratinocytes, juvenile
Catalog Number	Phenion® hK P1
Product Description	Cryopreserved human epidermal keratinocytes derived from juvenile male foreskin. Vials contain 1,000,000 cells of passage 1 in one ml cryopreservation solution.
Product Lot Number	
Isolation Date	
Expiration Date	Not applicable when stored at or below -150°C, e.g. over liquid nitrogen
Donor Demographics	Gender: Male, Cell Source: Foreskin tissue, Age: ≤ 7 years, Ethnicity: Caucasian
Recommended culture medium	The ready-to-use culture medium (order no. Phenion® K CM-250), containing all supplements e.g. bovine serum and antibiotics is recommended.

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Quality Specifications

Test	Specifications	Results
Sterility test		
• bacteria	Negative	
• fungi	Negative	
Infection / contamination test (by PCR)		
• mycoplasma	Negative	
• HIV-1	Negative	
• HIV-2	Negative	
• Hepatitis B	Negative	
• Hepatitis C	Negative	
Cell count	$\geq 1 \times 10^6$	
Viability (Trypan Blue exclusion)	>70% viable	
Cell growth in Phenion® Keratinocyte Medium (Order No. Phenion® K CM-250)		
• Population doubling capacity	> 15 doublings	
• Cell morphology	Normal morphology compared to standard	

Note:

For research use only. Not for use in therapy or diagnostics.

Quality Control passed: _____ Düsseldorf, **DATE**

Lars Vierkotten, Production Management