

## Clonetics™ keratinocyte media products

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### Product list

#### **KGM™ keratinocyte growth medium and KGM™ BulletKit™**

- Basal medium is optimized for normal human keratinocytes in a serum-free environment
- KGM™ includes an attached aliquot of bovine pituitary extract (BPE)
- KGM™ BulletKit™ includes all supplements and growth factors in separate, frozen aliquots

#### **KGM™-2 BulletKit™**

- Refinements to the basal medium and growth factors
- Grows normal human keratinocytes up to 20% faster and allows for additional population doublings when compared to KGM™ and other commercially-available media

#### **KGM-Gold™ BulletKit™**

- Refinements to the basal medium and growth factors to better support low, moderate and high density keratinocyte cultures
- KGM-Gold™ BulletKit™ allows for high seeding efficiencies, moderate growth rate and superior morphology for additional population doublings

#### **KGM™-CD BulletKit™**

- Non-animal origin basal medium is optimized for normal human keratinocytes
- KGM™-CD BulletKit™ allows for growth comparable to KGM™ without serum, BPE or any other undefined or animal origin components

### Product details

#### **KGM™ (CC-3001) and KGM™ BulletKit™ (CC-3111)**

- BPE (bovine pituitary extract)
- hEGF
- Insulin (recombinant human)
- Hydrocortisone
- GA-1000 (gentamicin, amphotericin B)

#### **KGM™-2 BulletKit™ (CC-3107)**

- BPE (bovine pituitary extract)
- hEGF
- Insulin (recombinant human)
- Hydrocortisone
- GA-1000 (gentamicin, amphotericin-B)
- Epinephrine
- Transferrin

#### **KGM-Gold™ BulletKit™ (00192060)**

- BPE (bovine pituitary extract)
- hEGF
- Insulin (recombinant human)
- Hydrocortisone
- GA-1000 (gentamicin, amphotericin-B)
- Epinephrine
- Transferrin

#### **KGM-Gold™ w/o Ca<sup>++</sup>, phenol red free BulletKit™ (00195769)**

- BPE (bovine pituitary extract)
- hEGF
- Insulin (recombinant human)
- Hydrocortisone
- GA-1000 (gentamicin, amphotericin-B)
- Epinephrine
- Transferrin

#### **KGM™-CD BulletKit™ (CC-4455)**

- Insulin (recombinant human)
- Growth supplement

**NOTE:** Antibiotics are not required for culturing primary keratinocytes and are not included with the KGM™-CD BulletKit™. For added flexibility, a variety of cell culture antibiotic/antimycotic solutions are available separately from Lonza. Please consult our Lonza catalog, website or contact your Scientific Support representative for assistance.

## Ordering information

### KGM™ products

CC-3001	KGM™, keratinocyte growth medium	500 ml
CC-3111	KGM™ BulletKit™, KBM™ plus SingleQuots™ of growth supplements	500 ml
CC-3101	KBM™, keratinocyte basal medium	500 ml
CC-4131	KGM™ SingleQuots™, formulates KBM™ to KGM™	
CC-3112	KGM™ BulletKit™ w/o Ca <sup>++</sup> , KBM™ w/o Ca <sup>++</sup> plus SingleQuots™ of growth supplements 500 ml*	500 ml
CC-3104	KBM™ w/o Ca <sup>++</sup> , keratinocyte basal medium, w/o calcium*	500 ml

### KGM™-2 products

CC-3107	KGM™-2 BulletKit™, KBM™-2 plus SingleQuots™ of growth supplements	500 ml
CC-3103	KBM™-2, keratinocyte basal medium-2	500 ml
CC-4152	KGM™-2 SingleQuots™, formulates KBM™-2 to KGM™-2	
CC-3108	KGM™-2 w/o Ca <sup>++</sup> BulletKit™, KBM™-2 w/o Ca <sup>++</sup> plus SingleQuots™*	500 ml
CC-3158	KBM™-2 w/o Ca <sup>++</sup> , keratinocyte basal medium-2 w/o calcium*	500 ml

### KGM-Gold™ products

00192060	KGM-Gold™ BulletKit™, KBM-Gold™ plus SingleQuots™ of growth supplements	500 ml
00192151	KBM-Gold™, keratinocyte basal medium gold	500 ml
00192152	KGM-Gold™ SingleQuots™, formulates KBM-Gold™ to KGM-Gold™	
00195769	KGM-Gold™ w/o Ca <sup>++</sup> , phenol red free BulletKit™, KBM-Gold™ w/o Ca <sup>++</sup> , phenol red free plus SingleQuots™ of growth supplements*	500 ml
00195130	KBM-Gold™ w/o Ca <sup>++</sup> , phenol red free keratinocyte basal medium- gold w/o calcium or phenol red*	500 ml

### KGM™-CD products

CC-4455	KGM™-CD BulletKit™, KBM™-CD plus SingleQuots™ of growth supplements	500 ml
CC-3255	KBM™-CD, keratinocyte basal medium-chemically defined	500 ml
CC-4456	KGM™-CD SingleQuots™, formulates KBM™-CD to KGM™-CD	
CC-5034	ReagentPack™	
	Trypsin/EDTA solution	100 ml
	Trypsin neutralizing solution	100 ml
	HEPES buffered saline solution	100 ml

\* Keratinocytes cannot survive in a completely calcium free system. Contact Scientific Support for information on the calcium requirements of keratinocytes.

When placing an order or for technical service, please refer to the product numbers and descriptions listed above. For a complete listing of all Clonetics™ products, refer to the Lonza website or our current catalog. To obtain a catalog, additional information or technical service you may contact Lonza by web, e-mail, telephone, fax or mail.

### Product warranty

CULTURES HAVE A FINITE LIFESPAN *IN VITRO*. Lonza warrants its cells only if Clonetics™ media and reagents are used, and the recommended protocols are followed. Cryopreserved cells are assured to be viable and functional when thawed and maintained properly.

**THESE PRODUCTS ARE FOR RESEARCH USE ONLY.** Not approved for human or veterinary use, for application to humans or animals, or for use *in vitro* diagnostic or clinical procedures.