

Keratinocyte Medium, complete set

Cell Culture Medium

Catalogue # CM016K

Description Developed to promote the optimal expansion of human epidermal keratinocytes from adult and neonatal sources. It contains essential and non-essential amino acids, vitamins, other organic compounds, trace minerals, and inorganic salts. It does not contain antibiotics, antimycotics, hormones, growth factors, or proteins. This medium is HEPES and sodium bicarbonate buffered, and has a pH of 7.4 when equilibrated in an incubator with 5% CO₂. Keratinocyte Basal Medium performs most effectively when supplemented with Keratinocyte Growth Supplement with BPE.

Formulation Sterile filtered

Osmolarity 285 ± 15 (complete medium)

pH 7.2 ± 0.2

Storage 4-8°C

Size 500 ml

Components

| <i>Name</i> | <i>Catalogue number</i> | <i>Size</i> |
|--------------------------------|-------------------------|-------------|
| Keratinocyte Basal Medium | CM016 | 500 ml |
| Keratinocyte Growth Supplement | CM016S | 10 ml |

The Keratinocyte Growth Supplement with BPE (Product #: CM016S) is optimized for use with the Keratinocyte Basal Medium. After adding this supplement to the medium, the final concentration of components is as follows:

| Ingredients | Final conc. in the medium |
|---|----------------------------------|
| Keratinocyte Basal Medium | 1 X |
| Bovine Pituitary Extract | 0.4% (v/v) |
| Epidermal Growth Factor (recombinant human) | 0.125 ng / ml |
| Insulin (recombinant human) | 5 µg / ml |
| Hydrocortisone | 0.33 µg / ml |
| Epinephrine | 0.39 µg / ml |
| Transferrin, holo (human) | 10 µg / ml |
| CaCl ₂ | 0.06 mM |

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