

Clonetics™ Calcium SingleQuots™

CC-4202

Introduction

Extracellular calcium concentrations have been demonstrated in the literature to exert effects on the morphology, proliferation and differentiation of normal human epidermal keratinocytes. These effects may be elicited through calcium-dependent enzyme systems. Varying the calcium concentration in cultures of NHEK grown in Clonetics™ Serum-Free KGM™, Keratinocyte Growth Medium, provides an excellent means of studying these processes. In conjunction with Clonetics™ Calcium-Free KBM™, (CC-3104) or Clonetics™ Calcium-Free KGM-Gold™ (00195130), Calcium SingleQuots™ makes media manipulations easy and convenient in establishing the optimal calcium concentrations for specific experimental applications.

Clonetics™ Calcium SingleQuots™ (CC-4202) contain approximately 2 ml at 300 mM.

To arrive at this mM concentration	Add µl per 100 ml of calcium-free medium
3	1,000 µl
2	667 µl
1	333 µl
0.5	167 µl
0.25	83 µl
0.15*	50 µl
0.1 ⁺	33 µl
0.07	23 µl
0.03	10 µl

* (standard KBM™ & KBM™-2 Concentration)

⁺ (standard KGM-Gold™ Concentration)

Reference:

Boyce, S.T., Ham, R.G.; Calcium-Regulated Differentiation of Normal Human Epidermal Keratinocytes in Chemically Defined Clonal Culture and Serum-Free Serial Culture. *J. Invest Dermatol* 81:33s-40s, 1983.

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.

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