Chondrocyte Growth Medium

850204

Chondrocyte Growth Medium is used for the monolayer expansion of human and bovine chondrocytes, for example before transfer into pellet or scaffold culture. We offer the medium as 500 ml basal medium, on its own or together with the supplements, either as individual components or as a premixed Supplement-Mix. The individual components allow single factors to be adjusted or left out, while the Supplement-Mix is added in a single step. The basal medium is also available phenol red-free in the same formats, which avoids interference with fluorescence and colorimetric readouts as well as the weak oestrogen-like activity of phenol red. Supplements are required for use, and both supplement formats are also available separately. Once supplemented, the complete medium contains 10 % FCS (50 ml per 500 ml of basal medium).

PRODUCT DETAILS

Serum content	10 % FCS (50 ml FCS per 500 ml basal medium)
Recommended	4,000 cells/cm² (initial seeding up to approx. 90 % confluence)

Storage and stability

Store the basal medium at 2–8 °C, protected from light, and the supplements at −20 °C. Avoid repeated freeze-thaw cycles of the supplements. Once supplemented, the medium can be kept at 2–8 °C, protected from light, for up to one month. Do not freeze the medium.

Specification

pH 7.6, osmolality 285 ± 10 mOsm/kg

Supplement components

HEPES: 20 mM
L-glutamine: 4 mM
FCS: 10 % (50 ml per 500 ml basal medium)
Antibiotics (optional): gentamicin 50 µg/ml, amphotericin B 50 ng/ml

Composition table

Supplement volumes for 500 ml of basal medium. The same components are also available premixed in one bottle (Supplement-Mix, Cat. No. 850161, 70 ml).

Component	Volume	Cat. No.
L-glutamine	10 ml	850121
FCS	50 ml	850110
HEPES	10 ml	850120
Antibiotics (optional)	3.5 ml	850119
Total (without antibiotics)	**70 ml**	

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