Human primary T cell culture media

Bulent Arman Aksoy,Pınar Aksoy,Megan Wyatt,Chrystal M. Paulos,Jeff Hammerbacher

Abstract

Citation: Bulent Arman Aksoy,Pınar Aksoy,Megan Wyatt,Chrystal M. Paulos,Jeff Hammerbacher Human primary T cell culture media. **protocols.io**
dx.doi.org/10.17504/protocols.io.qu5dwy6
Published: 10 Jun 2018

Materials

EMD Millipore™ Stericup™ Sterile Vacuum Filter Units SCGPU05RE by Fisher Scientific

Corning™ RPMI 1640 Medium (Mod.) 1X with L-Glutamine MT10041CV by Fisher Scientific

HyClone™ HEPES Solution SH3023701 by Fisher Scientific

Fetal Plus® FP-0500-A by Atlas Biologicals

Penicillin-Streptomycin (10,000 U/mL) 15140122 by Thermo Fisher Scientific

Gibco™ Sodium Pyruvate (100mM) 11-360-070 by Fisher Scientific

HyClone™ Non Essential Amino Acids NEAA 100x solution SH3023801 by Fisher Scientific

Protocol

Mix components

Step 1.

Mix all in a 500 ml 0.22 um filter bottle in the hood:

This is an open access protocol distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

Mix components

Step 2.

500 ml RPMI-1640 (Corning™ cellgro™ RPMI 1640 Medium (Mod.) 1X with L-Glutamine)

Mix components

Step 3.

25 ul of EMD Millipore™ Calbiochem™ β-Mercaptoethanol, Molecular Biology Grade (50 uM)

Mix components

Step 4.

12.5 ml of HyClone™ HEPES Solution (25 mM)

Mix components

Step 5.

50 ml of FBS (Fetal Plus®)

Mix components

Step 6.

5 ml of Penicillin-Streptomycin (1%)

Mix components

Step 7.

5 ml of HyClone™ 100mM Sodium Pyruvate Solution (1X) 5 ml of HyClone™ Non Essential Amino Acids NEAA 100x solution (1X)

Filter and aliquot

Step 8.

Sterile filter (0.22um) and aliquot in 50 ml falcon tubes. Keep the media in the fridge, protect from light.

This is an open access protocol distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited