

Jun 10, 2018

Version 1

Human primary T cell culture media V.1

 In 5 collections

DOI

<https://dx.doi.org/10.17504/protocols.io.qu5dwy6>

Bulent Arman Aksoy¹, Pinar ksoy¹, Megan Wyatt¹, Chrystal M. Paulos¹, Jeff Hammerbacher¹

¹Medical University of South Carolina

Hammer Lab

Tech. support phone: +18437924527 email: arman@hammerlab.org



Bulent Arman Aksoy

Medical University of South Carolina

Create & collaborate more with a free account

Edit and publish protocols, collaborate in communities, share insights through comments, and track progress with run records.

Create free account

OPEN  ACCESS



DOI: <https://dx.doi.org/10.17504/protocols.io.qu5dwy6>

Protocol Citation: Bulent Arman Aksoy, Pinar ksoy, Megan Wyatt, Chrystal M. Paulos, Jeff Hammerbacher 2018. Human primary T cell culture media. **protocols.io** <https://dx.doi.org/10.17504/protocols.io.qu5dwy6>



License: 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

Protocol status: Working

We use this protocol and it's working

Created: June 10, 2018

Last Modified: June 10, 2018

Protocol Integer ID: 12925

Keywords: cell

Materials

MATERIALS

✕ EMD Millipore™ Stericup™ Sterile Vacuum Filter Units **Fisher Scientific Catalog #SCGPU05RE**

✕ Corning™ RPMI 1640 Medium (Mod.) 1X with L-Glutamine **Fisher Scientific Catalog #MT10041CV**

✕ HyClone™ HEPES Solution **Fisher Scientific Catalog #SH3023701**

✕ Fetal Plus® **Atlas Biologicals Catalog # FP-0500-A**

✕ Penicillin-Streptomycin (10,000 U/mL) **Thermo Fisher Scientific Catalog #15140122**

✕ Gibco™ Sodium Pyruvate (100mM) **Fisher Scientific Catalog #11-360-070**

✕ HyClone™ Non Essential Amino Acids NEAA 100x solution **Fisher Scientific Catalog #SH3023801**



Mix components

- 1 Mix all in a 500 ml 0.22 um filter bottle in the hood:
- 2 500 ml RPMI-1640 (Corning™ cellgro™ RPMI 1640 Medium (Mod.) 1X with L-Glutamine)
- 3 25 ul of EMD Millipore™ Calbiochem™ β-Mercaptoethanol, Molecular Biology Grade (50 uM)
- 4 12.5 ml of HyClone™ HEPES Solution (25 mM)
- 5 50 ml of FBS (Fetal Plus®)
- 6 5 ml of Penicillin-Streptomycin (1%)
- 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

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