Clonetics® Human Sertoli Cells & Media

Introduction
Human male testes contain a population of “nurse” cells, known as Sertoli cells, capable of replication as undifferentiated cells. The Human Sertoli Cell System contains Normal Human Sertoli Cells and medium for their maintenance and growth. Each system can generate sertoli cell cultures for experimental studies in male infertility, in vitro germ cell proliferation models, drug screening, male reproductive toxicology, xeno- and allograft cotransplantation, immune suppression applications and apoptotic control mechanisms. They are excellent tools for gene delivery research, functional genomics, drug screening, high throughput screening and toxicology.

Clonetics® Sertoli Cells and Media are quality tested and guaranteed to give optimum performance.

Cell System Components (Need to be purchased separately)
- One Sertoli Cell Product (Cryopreserved in passage 3) ≥ 500,000 cells.
- One Sertoli Cell Medium BulletKit®, 500 ml
  SeGM™ BulletKit® (# 00191053) contains one 500 ml bottle Sertoli Cell Basal Medium (SeBM™) and the following growth supplements: 25 ml Fetal Bovine Serum (FBS) and 0.5 ml GA-1000 as an SeGM™ SingleQuots® Kit (# 00191052).

Performance
Recommended seeding density for subculture 4000 - 5000 cells/cm²
Recommended feeding interval 3 - 4 days
Typical time from seeding to subculture readiness 7 - 10 days

Characterization of Cells
Routine characterization of Sertoli cells includes testing for cellular proteins, for seeding efficiency, doubling time and morphology and ≥ 70% confluence by day 12 in culture. Cells test positive for GATA-4 and Sox-9 at > 70% by flow cytometry. Refer to Certificate of Analysis (COA) for specific Quality Control results.

Quality Control
All cells are performance assayed and test negative for HIV-1, Hepatitis B & C, mycoplasma, bacteria, yeast and fungi. Cell viability and morphology are measured after recovery from cryopreservation. A Certificate of Analysis (COA) for each cell lot is shipped with each order. COAs for all other products are available upon request.

Ordering Information
MM-HSE-2305 HSEC - Human Sertoli Cells
≥500,000 cells

00191053 SeGM™ BulletKit® 500 ml
SeBM™ plus SingleQuots® Kit of Growth Supplements

00191051 SeBM™, Sertoli Cell Basal Medium 500 ml

00191052 SeGM™ SingleQuots® Kit, Formulates SeBM™ to SeGM™
Limited Use License

Sertoli cells are produced for Lonza by MandalMed Inc. and are subject to the following limited use license:

The included biological material, including progeny and derivatives, (collectively referred to as "Material") is licensed to you under specific terms. You are responsible for ensuring that the terms of the license agreement are met.

1. **GRANTS OF LICENSE:** Lonza grants you a nontransferable, nonexclusive license to use the Material for research.
2. **NOT FOR HUMAN USE:** The Material may not be used: a) in humans; b) in conjunction with human clinical trials; c) in association with human diagnostics.
3. **MATERIAL NOT TRANSFERABLE:** You may not transfer the Material to any other person or organization

When placing an order or for technical support, please refer to the product numbers and descriptions listed above. For a complete listing of all Lonza Products, refer to the Lonza website or the current Lonza catalog. To obtain a catalog, additional information or technical service you may contact Lonza by web, e-mail, telephone, fax or mail.

Product Warranty

CULTURES HAVE A FINITE LIFESPAN IN VITRO. Lonza warrants its cells only if SeBM™ Basal Media and SeGM™ Growth Supplements are used, and the recommended protocols are followed. Cryopreserved Sertoli Cells are assured to be viable and functional when thawed and maintained properly.

**THESE PRODUCTS ARE FOR RESEARCH USE ONLY.** Not approved for human or veterinary use, for application to humans or animals, or for use in clinical or in vitro procedures.

**WARNING:** Sertoli Cells CONTAIN HUMAN SOURCE MATERIAL, TREAT AS POTENTIALLY INFECTIOUS. In the event donor testing is not possible, cell products are tested for the presence of viral nucleic acid from HIV, Hepatitis B Virus, and Hepatitis C Virus. Testing can not offer complete assurance that HIV-1, Hepatitis B Virus, and Hepatitis C Virus are absent. All human sourced products should be handled at the Biological Safety Level 2 to minimize exposure of potentially infectious products, as recommended in the CDC-NIH Manual, *Biosafety in Microbiological and Biomedical Laboratories*, 1999. If you require further information, please contact your site Safety Officer or Scientific Support.

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