Modification Form for Permit BIO-RRI-0021

Permit Holder: Gregory Dekaban

Approved Personnel
(Please stroke out any personnel to be removed)

June Jimenez

Bryan Au

Xizhong Zhang

Sonali deChickera

Christy Willert

John Barrett

Additional Personnel
(Please list additional personnel here)

Ryan Buensuceso

	Please stroke out any approved Biohazards to be removed below	Write additional Biohazards for approval below. *
Approved Microorganisms	E. coli (DH5 alpha), E. coli (Top 10)	
Approved Cells	Human (established), Rodent (established), Rodent (primary), HEK 293, HEK 293FT, CP1, CP2	IC-21; control mouse cell line expressing Colla
Approved Use of Human Source Material	Peripheral Blood Mononuclear cells (adult), Human cord blood cells, bone marrow	
Approved GMO	lentiviral vector backbone (Virapower), adenoirus-backed vectors (Ad 5), rAd5 GFP, proto-oncogene HER2/neu, wild type myxoma virus, recominant myxoma carry mRFP and or HER2/neu	

* *PLEASE ATTACH A MATERIAL SAFETY DATA SHEET OR EQUIVALENT FOR NEW BIOHAZARDS.*
** *PLEASE ATTACH A BRIEF DESCRIPTION OF THE WORK THAT EXPLAINS THE BIOHAZARDS USED AND HOW THEY WILL BE USED.*

Classification: 2+

Date of last Biohazardous Agents Registry Form: May 29, 2007

Signature of Permit Holder: _____

BioSafety Officer(s): _____

Chair,Biohazards Subcommittee: _____

Modification Form for Permit BIO-RRI-0021

Permit Holder: Gregory Dekaban

Approved use of Animals	rodent C57B1/6, NOD SCID, GFP	
Approved Toxin(s)		

* *PLEASE ATTACH A MATERIAL SAFETY DATA SHEET OR EQUIVALENT FOR NEW BIOHAZARDS.*
** *PLEASE ATTACH A BRIEF DESCRIPTION OF THE WORK THAT EXPLAINS THE BIOHAZARDS USED AND HOW THEY WILL BE USED.*

Classification: 2+

Date of last Biohazardous Agents Registry Form: May 29, 2007

Signature of Permit Holder: _____

BioSafety Officer(s): _____

Chair,Biohazards Subcommittee: _____

ATCC®
The Global Bioresource Center™

Search Catalog
Select a Category

Login Search Or

About | Cultures and Products | Science | Standards | Deposit Services | Custom Services | Product Use Policy

ATCC Advanced Catalog Search » Product Details

Product Description

Before submitting an order you will be asked to read and accept the terms and conditions of ATCC's Material Transfer Agreement or, certain cases, an MTA specified by the depositing institution.

Customers in Europe, Australia, Canada, China, Hong Kong, India, Japan, Korea, Macau, Mexico, New Zealand, Singapore, and Taiwa R.O.C. must contact a local distributor for pricing information and to place an order for ATCC cultures and products.

Print this

Cell Biology

ATCC® Number:	**TIB-186™** Order this Item	**Price:**	**$338.00**
Designations:	IC-21	**Depositors:**	WS Walker
Biosafety Level:	2 [Cells Contain PAPOVAVIRUS]	**Shipped:**	frozen
Medium & Serum:	See Propagation	**Growth Properties:**	adherent
Organism:	*Mus musculus* (mouse)	**Morphology:**	
Source:	**Cell Type:** peritoneal macrophage; SV40 transformed **Strain:** C57BL/6		
Cellular Products:	lysozyme		

Permits/Forms: In addition to the MTA mentioned above, other ATCC and/or regulatory permits may be required for the tra of this ATCC material. Anyone purchasing ATCC material is ultimately responsible for obtaining the per Please click here for information regarding the specific requirements for shipment to your location.

Related Cell Culture Prod

Applications: Biological response [92560]
transfection host(Roche FuGENE® Transfection Reagents)

Receptors: Fc [1144]
complement (C3) [1231]

Comments: The IC-21 cell line was derived by transformation of normal C57BL/6 mouse peritoneal macrophages with S [22225]
This line shares many properties with normal mouse macrophages and display macrophage specific antigen: They have phagocytic and cytolytic properties, can lyse tumor targets in vitro and appear to be differentiated than cells of the P388D1 macrophage line. [1231] [22279]
Trypsin is toxic to this line.
The cells produce large quantities of acid and the medium should be changed frequently.
Tested and found negative for ectromelia virus (mousepox).

Propagation: **ATCC complete growth medium:** The base medium for this cell line is ATCC-formulated RPMI-1640 Mec Catalog No. 30-2001. To make the complete growth medium, add the following components to the medium: fetal bovine serum to a final concentration of 10%.
Temperature: 37.0°C

Subculturing: **Subcultivation Ratio:** A subcultivation ratio of 1:2 to 1:4 is recommended
Medium Renewal: 3 times per week
Rinse the monolayer with 10 to 15 ml of calcium, magnesium free PBS, then add an additional 10 to 15 the same solution.
Let the culture stand for 5 to 10 minutes at room temperature, strike the flask to dislodge cells, add 5 to 7 the cell suspension to a flask containing less than 10 ml of growth medium.

Add additional medium once the cells have attached (one to two days).
Subculture when confluent.

Preservation: culture medium 95%; DMSO, 5%

Related Products: Recommended medium (without the additional supplements or serum described under ATCC Medium):ATC 2001
recommended serum:ATCC 30-2020

References:

1144: Walker WS. Separate Fc-receptors for immunoglobulins IgG2a and IgG2b on an established cell l mouse macrophages. J. Immunol. 116: 911-914, 1976. PubMed: 1254971
1231: Walker WS, Gandour DM. Detection and functional assessment of complement receptors on two n macrophage-like cell lines. Exp. Cell Res. 129: 15-21, 1980. PubMed: 7428810
1233: Walker WS. Mediation of macrophage cytolytic and phagocytic activities by antibodies of different cl and class-specific Fc-receptors. J. Immunol. 119: 367-373, 1977. PubMed: 886183
22203: Mocarelli P, et al. A permanent line of macrophages with normal activity in a primary antibody res in vitro. Immunol. Commun. 2: 441-447, 1973. PubMed: 4357034
22225: Mauel J, Defendi V. Infection and transformation of mouse peritoneal macrophages by simian viru J. Exp. Med. 134: 335-350, 1971. PubMed: 4326994
22279: Holden HT, et al. . Fed. Proc. 38: 1093 (abstract 4582), 1979.
22826: Walker WS, Demus A. Antibody-dependent cytolysis of chicken erythrocytes by an in vitro- estab line of mouse peritoneal macrophages. J. Immunol. 114: 765-769, 1975. PubMed: 1167563
22967: Singer JA, et al. Interaction of a mouse macrophage cell line with homologous erythrocyt Reticuloendothel. Soc. 31: 489-499, 1982. PubMed: 7120230
32968: Takao S, et al. Role of reactive oxygen metabolites in murine peritoneal macrophage phagocytosi phagocytic killing. Am. J. Physiol. 271: C1278-C1284, 1996. PubMed: 8897835
58080: Serio C, et al. Macrophage functional heterogeneity: evidence for different antibody-dependent ef cell activities and expression of Fc-receptors among macrophage subpopulations. J. Reticuloendothel. So 197-206, 1979. PubMed: 439098
92560: Standard Practice for Testing for Biological Responses to Particles in Vitro. West Conshohc PA:ASTM International;ASTM Standard Test Method F 1903-98R03.

Return t

Back to my Search

ATCC

MATERIAL SAFETY DATA SHEET

MSDS FOR ANIMAL CELL CULTURES (Biosafety Level 1 or 2)

ATCC cultures are not hazardous as defined by OSHA 1910.1200. However, as live cells they are potential biohazards.

ATCC Emergency Telephone: (703) 365-2710 (24 hours)
Chemtrec: (800) 424-9300
To be used only in the event of an emergency involving a spill, leak, fire, exposure or accident.

Description

Either frozen or growing cells shipped in liquid cell culture medium (a mixture of components that may include, but is not limited to: inorganic salts, vitamins, amino acids, carbohydrates and other nutrients dissolved in water).

SECTION I
Hazardous Ingredients

Frozen cultures may contain 5 to 10% Dimethyl sulfoxide (DMSO)

SECTION II
Physical data

Pink or red aqueous liquid

SECTION III
Health hazards

For Biosafety Level 1 Cell Lines

This cell line is not known to harbor an agent known to cause disease in healthy adult humans. This cell line has **NOT** been screened for Hepatitis B, human immunodeficiency viruses or other adventitious agents. Handle as a potentially biohazardous material under at least Biosafety Level 1 containment.

For Biosafety Level 2 Cell Lines

This cell line is known to contain an agent that requires handling at Biosafety Level 2 containment [U.S. Government Publication **Biosafety in Microbiological and Biomedical Laboratories** (CDC, 1999)]. These agents have been associated with human disease. This cell line has **NOT** been screened for Hepatitis B, human immunodeficiency viruses or other adventitious agents. Cell lines derived from primate lymphoid tissue may fall under the regulations of 29 CFR 1910.1030 Bloodborne Pathogens.

SECTION IV
Fire and explosion

Not applicable

SECTION V
Reactivity data

Stable. Hazardous polymerization will not occur.

SECTION VI
Method of disposal

Spill: Contain the spill and decontaminate using suitable disinfectants such as chlorine bleach or 70% ethyl or isopropyl alcohol.
Waste disposal: Dispose of cultures and exposed materials by autoclaving at 121°C for 20 minutes. Follow all Federal, State and local regulations.

SECTION VII
Special protection information

For Biosafety Level 1 Cell Lines

Handle as a potentially biohazardous material under at least Biosafety Level 1 containment. Cell lines derived from primate lymphoid tissue may fall under the regulations of 29 CFR 1910.1030 Bloodborne Pathogens.

For Biosafety Level 2 Cell Lines

Handle as a potentially biohazardous material under at least Biosafety Level 2 containment. Cell lines derived from primate lymphoid tissue may fall under the regulations of 29 CFR 1910.1030 Bloodborne Pathogens.

SECTION VIII
Special precautions or comments

ATCC recommends that appropriate safety procedures be used when handling all cell lines, especially those derived from human or other primate material. Detailed discussions of laboratory safety procedures are provided in **Laboratory Safety: Principles and Practice** (Fleming, et al., 1995) the ATCC manual on quality control (Hay, et al., 1992), the Journal of Tissue Culture Methods (Caputo, 1988), and in the U.S. Government Publication, **Biosafety in Microbiological and Biomedical Laboratories** (CDC, 1999). This publication is available in its entirety in the Center for Disease Control Office of Health and Safety's web site at http://www.cdc.gov/od/ohs/biosfty/bmbl4/bmbl4toc.htm.

THE ABOVE INFORMATION IS CORRECT TO THE BEST OF OUR KNOWLEDGE. ALL MATERIALS AND MIXTURES MAY PRESENT UNKNOWN HAZARDS AND SHOULD BE USED WITH CAUTION. THE USER SHOULD MAKE INDEPENDENT DECISIONS REGARDING THE COMPLETENESS OF THE INFORMATION BASED ON ALL SOURCES AVAILABLE. ATCC SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR CONTACT WITH THE ABOVE PRODUCT.

February 2002

Hi Jen,

It's just a control mouse cell line for CD11d expression. Is that good enough?

Thanks,

Christy