ECACC news March 2017

ECACC European Collection of Authenticated Cell Cultures
Operated by Public Health England

Catch up on previous editions of ECACC News

ECACC top tips: storing DNA

Q: I would like to order DNA from ECACC cell lines. How will these nucleic acids be supplied and how should I handle them once I have received my order? S*croll down for the answer...*

A typical inverted phase contrast microscope - Nikon TS100

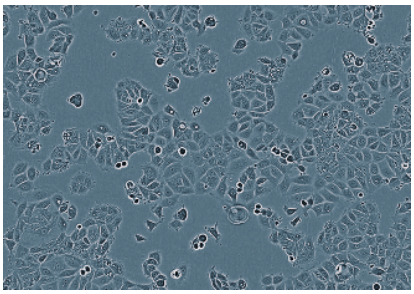
Setting up an inverted phase contrast microscope for tissue culture

Often microscope users are unaware of how to set up an inverted microscope and either suffer from low quality images or adopt a trial and error approach to try to improve results.

Understanding how to set up the microscope properly can save time and greatly increase the quality of images and data generated from cell cultures. **Find out more**

Cell line profile - MCF7 (catalogue no. 86012803)

MCF7 was derived from the pleural effusion from a 69 year old female suffering from a breast adenocarcinoma. It was named after the Michigan Cancer Foundation (MCF) and is the most studied human breast cancer cell line in the world. MCF7 are primarily used as an *in vitro* model to study breast cancer biology. Due to the number of variants available, it has applications in development of chemotherapeutic drugs and understanding drug resistance.
Find out more



Find more cell line profiles here

Safe and patent deposit service

In addition to depositing for distribution through our publically available collections, ECACC also offers specialist deposit services:

Patent Deposits If filing a European patent application you will need to deposit your culture within a International Deposit Authority (IDA) such as ECACC and NCTC, both registered with the Budapest Treaty since 1984 and 1982 respectively. We can accept cell lines, viruses, bacteria and DNA.

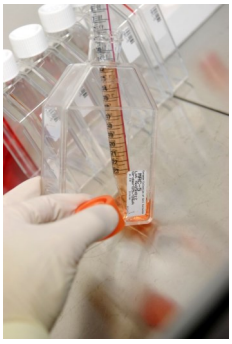
Safe Deposits A fully confidential service providing a second site safe storage for your valuable cell lines. Benefit from a state of the art secure cryostorage facility constantly monitored using a telemetry alarm system with the site staffed 24 hours a day. We can advise on how best to use our service to provide you with secure back up to your existing facilities.

Have you read the March issue of SfAM magazine The Microbiologist?

Turn to page 24* to learn more on 3D cell culture models for investigating virus-host interactions

*Link available via certain search engines eg Google Chrome.

Have you recently published citing use of a cell line from ECACC?



If the answer is yes - **send us a copy** of your paper and get a free STR profiling test kit to authenticate a cell line you are working with!

Free HipSci training webinar

This course is aimed at individuals who wish to learn more about the HipSci project. No prior knowledge of bioinformatics is required, but an undergraduate level understanding of biology would be useful.

There are limited spaces available!

Register here

ECACC top tips: storing DNA

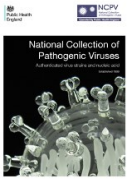
A: DNA products are supplied at either +4°C or frozen; consult the data sheet in your package. Frozen DNA products should be stored at -20°C upon receipt if not to be used immediately. See links for more information:

DNA **How to handle DNA on receipt**

You may also find helpful...

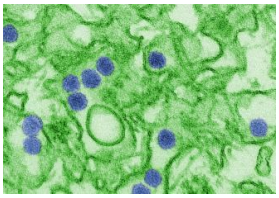
- **RNA** Transported on dry ice. Handle as for DNA, but RNA should be stored at -80°C
- **cDNA** **Frequently Asked Questions for cDNA**

Other Culture Collections news...



Browse the new NCPV Brochure

NCTC and International Women's Day 2017



NCPV's global impact in 2016

NCPF in Research: Phaeohyphomycosis cyst associated with M. romeroi infection

Check out ECACC's most recent cell line additions

Download the ECACC brochure **www.phe-culturecollections.org.uk/signup**

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