



Creative Bioarray

# CELL IMMORTALIZATION SERVICE

## About US

Creative Bioarray is a leading provider of immortalized human cell lines and immortalized animal cell lines. **Our cells and services are designed to fit the increasing need for relevant in vitro cell model systems and novel production hosts.**

We have many years of experience in cell immortalization, and we have been able to successfully immortalize cells from **human, monkey, mouse, bovine and canine** by using different immortalizing agents or genes.

## Capability of Cell Immortalization Service

- ✓ Several cell immortalization system including SV40, hTERT, EBV, HPV E6/E7, Ras, P53, Myc
- ✓ Immortalized cell lines from any species and any tissues with the function you need
- ✓ Cell passage screening for up to 30 passages
- ✓ 2-3 months depending on immortalizing method, source cells, and species
- ✓ Transgene expression by RT-PCR
- ✓ Flexible! You can either provides us primary cells of interest or we will acquire them for you

## Cells and services for in vitro test systems

In order to meet the growing demand on relevant and standardizable in vitro cell cultures and bioassays, Creative Bioarray has focused on the establishment of :

- Continuously growing cell lines that show a differentiated phenotype
- Human induced pluripotent stem cells from urine-derived cells, isolated non-invasively from an unlimited source
- In vitro bioassays using hTERT immortalized cell lines that represent the in vivo situation

## Cells and services for production

The growing interest in novel cell lines for production of biopharmaceuticals and the development of new therapies has led to the generation of cell lines that:

- Qualify for production of recombinant proteins showing complex post- translational modifications
- Are ideal hosts for growth of certain viruses and subsequent vaccine production
- Secret extracellular vesicles that provide the basis for the development of new therapies

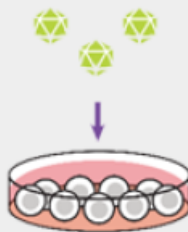
### Work Flow

01



Submit your cells and  
select your Immortalization  
Reagents

02



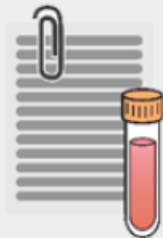
Viral Transduction on Primary  
Cells

03



Cell immortalization via inhibition  
of key molecules  
in the Cell Cycle

06



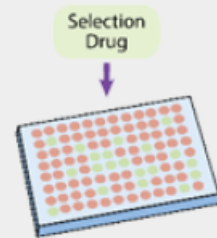
Cryopreservation and delivery  
of immortalized cells and Custom  
Service Report

05



Validation and quality control  
of immortalization via qRT-PCR  
of transgene

04



Drug Selection on Successfully  
Transduced Cells