

Cellular R&D

What if you focused on real **Science**?



nestor

less cell work, more cell science

by
Cellaven

Cell Culture: 70 years of unchanged manual routine



CONSEQUENCES



Burden of repetitive work and weekend shifts.



Up to 1 day per week of precious scientist time wasted.



Months of work can be lost due to contamination.



Reproducibility is an issue with manual culture.

**AUTOMATION IS NEEDED,
BUT... CAN YOU AFFORD IT?**



THE SOLUTION

nestor

The AFFORDABLE R&D cell culture automaton



by
ca Cellaven

Easy to use • Modifiable • No protocol changes



Features

EASY TO USE AND FLEXIBLE

Simply plug your own regular flasks and plates, keep your usual protocols, choose your cell culture program, and... Go.

MODULABLE & VERSATILE

Connect & control independently up to 10 flasks and plates.

Feed them with up to 4 different cell culture media.

ULTRA-COMPACT & PORTABLE

With as little as two A4 sheets in footprint, and a weight under 5kg, you can freely move Nestor around in the lab.



Benefits

1 DAY PER WEEK SAVED in cell culture workload. And gone are weekend shifts. Use the time freed for higher-value research work.

Less cell work, more cell science

A RETURN ON YOUR INVESTMENT WITHIN 24 MONTHS

thanks to a game-changing acquisition price and up to 25% culture medium saved.

DECREASED CONTAMINATION RISKS

Automation means less manipulations, less human errors and less contamination risks.

Lower your stress levels and your costs.

Easy as 1, 2, 3

1

CONNECT
your regular
media bottles and
culture vessels



2

SELECT
your own cell
culture program



3

INCUBATE
Place Nestor next
to the incubator
and let it do the
routine work!

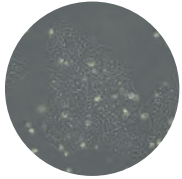


**Skip cell culture routine in R&D.
Free up time for real Science**

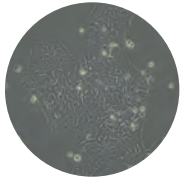
Nestor performs as well as scientists' hands

LONG TERM hiPSC CULTURE

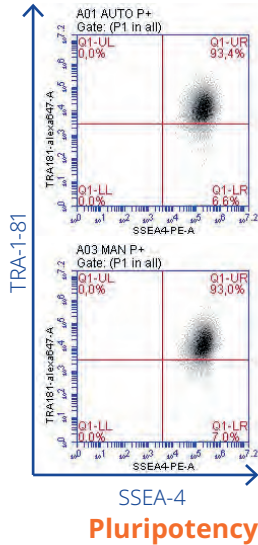
NESTOR



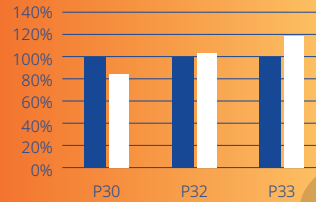
MANUAL



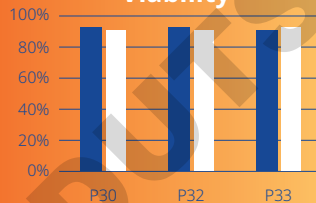
Morphology



Cell yield



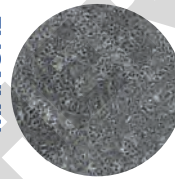
Viability



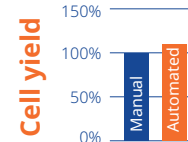
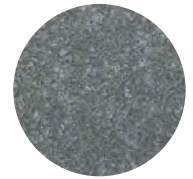
EPITHELIAL CELLS

HaCaT

MANUAL

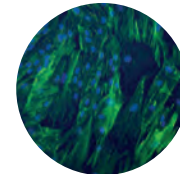


NESTOR

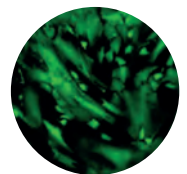
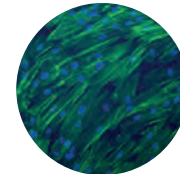


HCF

MANUAL



NESTOR

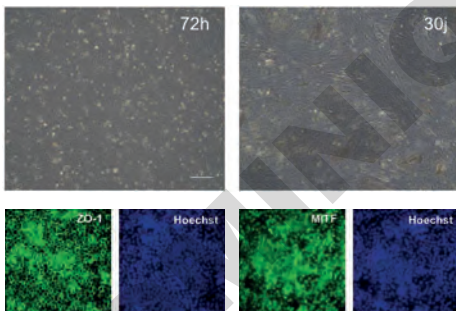


Actin

Live/dead

hiPSC maintained by NESTOR are similar to their manually cultured counterparts in terms of morphology, pluripotency, yield and viability.

hiPSC DIFFERENTIATION



After 30 days, the hiPSC-RPE regain a polygonal and pigmented morphology with the expression of key retinal pigment epithelium (RPE) markers.

Cell morphology remained consistent and indistinguishable when comparing the manual and automated culture techniques. Cell yield was within range compared to manual culture.