Cellular R&D

What if you focused on real Science?

nestor

less cell work, more cell science

Biozym
SCIENCE IS OUR BUSINESS

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 Cellaven

Easy to use • Modulable • No protocol changes

nestor

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

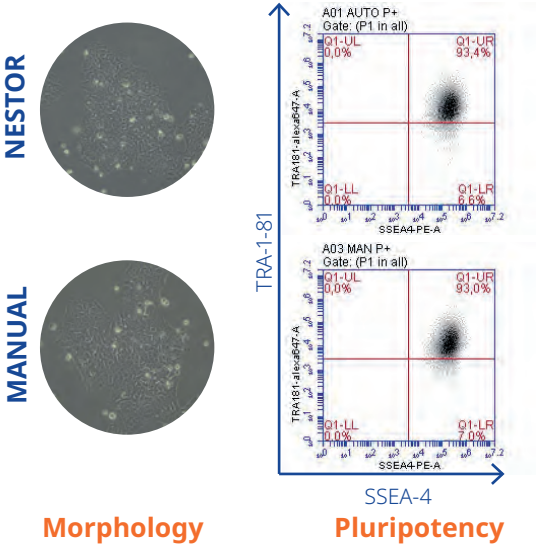
INCUBATE
Place Nestor next to the incubator and let it do the routine work!

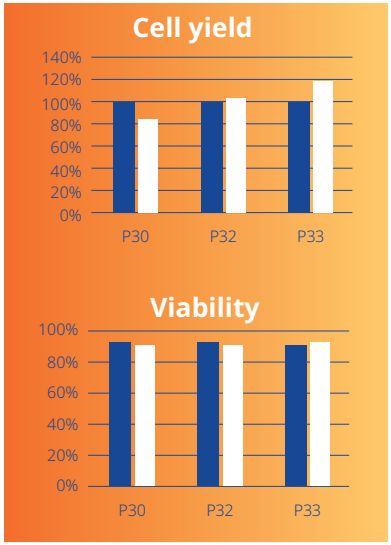
Skip cell culture routine in R&D.

Free up time for real Science

Nestor performs as well as scientists' hands

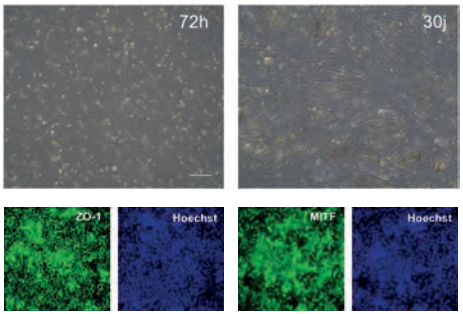
LONG TERM hiPSC CULTURE





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

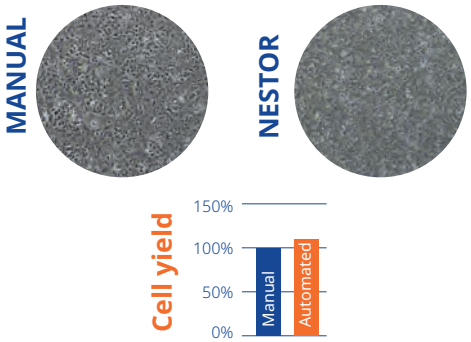
hiPSC DIFFERENTIATION



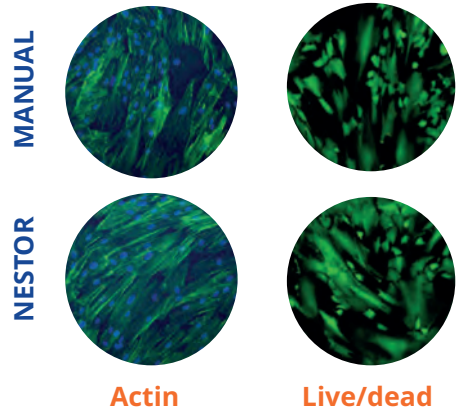
After 30 days, the hiPSC-RPE regain a polygonal and pigmented morphology with the expression of key retinal pigment epithelium (RPE) markers.

EPITHELIAL CELLS

HaCaT



HCF



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

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