

From TRYPTONE N1 to C-CELL



What is Tryptone N1?

For over 20 years, Organotechnie's Tryptone N1 has been cited in a large number of scientific publications. It is widely used in research. This peptone is an **enzymatic hydrolysate of casein.**

Tryptone N1 is highly **versatile** and can also be used to grow a wide variety of bacteria (*E.coli, Clostridium, Bacillus subtilis, Lactobacillus* spp...).







Applications of Tryptone N1

In research applications, Tryptone N1 is mainly used to obtain complex proteins based on cell platforms. Professor Yves Durocher from NRC¹ (Canada) has shown that the addition of Tryptone N1 post-transfection is effective in **enhancing the expression of recombinant proteins** in HEK293 cells.

<u>Tryptone N1 is recognized for:</u>

- Increasing significantly recombinant protein yields
- Improving cell viability
- Accelerating cell growth
- Reducing cell stress

French peptones manufacturer

Since 1902



C-CELL enable very high performance in cell culture, whether in low-serum or serum-free culture media.



SELECTED VEGETALES SOURCES

C-CELL S : Soja

C-CELL W: Blé

C-CELL P: Pois

C-CELL G : Guar

C-CELL F : Fèverole

C-CELL R: Riz

C-CELL PERFORMANCE: EXEMPLES

C-CELL Proliferation

As part of a study on the proliferation and metabolism of <a href="https://human.com/h

C-CELL xpression

In the context of optimizing IL-4 **protein expression** in **HEK 293**³ cells, **C-CELL** *Pea P112*, *Soy S204* and *Guar G115* obtained excellent results. These three peptones tripled IL-4 protein expression compared with Tryptone N1.



(i) For more information on the C-CELL range, please request our scientific posters.

- ¹ Transient Gene Expression in HEK293 Cells: Peptone Addition Post-transfection Improves Recombinant Protein Synthesis
- ² Effect of ultrafiltered wheat peptone on human dermal firoblasts
- ³ Optimisation of protein production in HEK293 cells with different peptones

 Effect of vegetable peptones on proliferation and metabolism of HSkMCin low serum media

 Optimization of umbilical cord mesenchymal stromal cell-derived evs production conditions using evs-free fetal bovine serum and vegetal peptone

 Investigating the proliferative and serum-educing effect(s) of various protein hydrolysates on "Verocells" as an ATMP bio-production cells.