

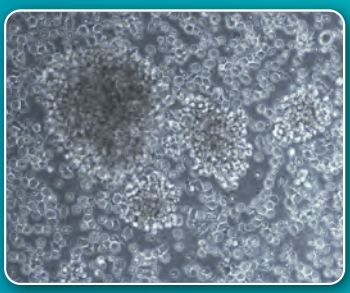
# ALyS series

# ALyS™ 505N

Serum free culture medium  
for immune cell therapy research



<b>ALyS 505N-0</b> It contains recombinant human insulin/ recombinant transferrin/ human albumin	<b>IL-2 Free</b>	<b>ALyS 505N-175</b> Optimal for late stage lymphocyte culture	<b>Contains IL-2 at 175 IU/mL</b>
<b>ALyS 505N-7</b> Optimal for early stage lymphocyte culture	<b>Contains IL-2 at 700 IU/mL</b>	<b>ALyS 505N-10</b>	<b>Contains IL-2 at 1000 IU/mL</b>



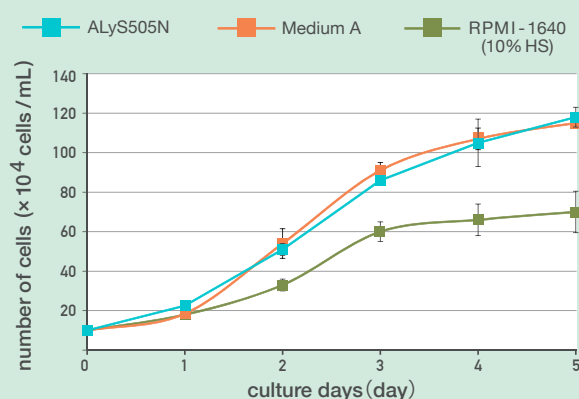
- The optimal cell culture medium for immune cell therapy research
- Robust proliferation has been confirmed in human peripheral blood T cells
- Xeno-free medium

# ALyS™ 505N

ALyS505N is a serum-free medium developed specifically for immune cell therapy research. It supports robust cell proliferation even with a substantial reduction in plasma supplementation.

- It supports robust proliferation of peripheral blood T lymphocytes activated by anti-CD3 antibodies or plant lectins.(Fig.1)
- Four IL-2 concentration variants are available to meet different application needs: 0, 175 IU/mL, 700 IU/mL, and 1,000 IU/mL.
- It contains recombinant proteins and heat-treated human serum albumin. Non-human animal derived component free.
- Using this product enables a substantial reduction in serum usage. With the addition of a small amount of plasma (0.1–2%), a level of cell proliferation exceeding that achieved with conventional serum-supplemented media can be expected.

**Fig.1 Comparison of anti-CD3 lymphocyte growth**



- When performing primary culture (activation culture) of peripheral blood lymphocytes using ALyS 505N medium, we recommend supplementing a small amount of plasma (1–5%).
- Once the cells begin autonomous proliferation, additional plasma supplementation is no longer required. The product is available in two packaging formats: plastic bottles(P) and gas-permeable culture bags(CB).
- The culture bag allows optimal gas transmission for cell culture. By enabling closed-system culture, it reduces the risk of contamination and supports large-scale cell expansion.

Product code(CSTI/NIPRO)	Product name	Details	Volume (Packaging)
1020P10 / 87-661	ALyS505N-0	Serum free culture medium used in immune cell therapy for research ( IL-2 Free )	1,000mL (P)
1020C10 / 87-669			1,000mL (CB)
10217P10 / 87-654	ALyS505N-175	Serum free culture medium used in immune cell therapy for research ( IL-2 175 IU/mL )	1,000mL (P)
10217C10 / 87-598			1,000mL (CB)
1027P10 / 87-666	ALyS505N-7	Serum free culture medium used in immune cell therapy for research ( IL-2 700 IU/mL )	1,000mL (P)
10210P10 / 87-676	ALyS505N-10	Serum free culture medium used in immune cell therapy for research ( IL-2 1000 IU/mL )	1,000mL (P)

\*For research use only, not for therapeutic or diagnostic use.

(P) PET bottle (CB) Culture Bag



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