

TheraPEAK® AmpliCell® Recombinant Cytokines



Unlock the power of precision with AmpliCell® recombinant cytokines

AmpliCell® recombinant cytokines are designed to deliver reliable, consistent, and native-like performance across research, cell therapy, and biomanufacturing applications. Engineered for high biological activity and backed by rigorous quality testing, our cytokines support critical cell signaling processes with confidence. Whether you're expanding T cells, activating NK cells, or driving differentiation, AmpliCell® helps ensure your cells get the right signals, every time.

Whether you're conducting preclinical research or scaling up for clinical translation, AmpliCell® is your trusted partner. Our team understands the importance of performance and reliability. AmpliCell® cytokines are optimized for use in demanding workflows such as *ex vivo* T cell expansion and NK cell activation. With proven activity and batch-to-batch consistency, our products support the development of robust, scalable, and reproducible cell therapy protocols.

AmpliCell®'s recombinant cytokines are produced in mammalian systems like HEK293, ensuring proper folding and glycosylation for superior biological relevance.

Compared to bacterial systems such as *E. coli*, our cytokines more closely mimic the native human form—reducing variability and increasing predictability in sensitive or translational applications.

Features and benefits:

- Provides high potency and functional consistency
- Provides high reproducibility (lot-to-lot consistency) and safety profiles (low endo)
- HEK-expressed cytokines provide a consistent, high-quality stimulus that offsets the unpredictable nature of patient-derived or highly variable starting cells

AmpliCell® cytokines are available in both Research Use Only (RUO) and GMP-grade formats, making it easy to scale from discovery to clinical development. Importantly, the product itself remains the same. This helps ensure a smooth transition between RUO and GMP, minimizing variability while streamlining your path to the clinic.

Performance in G-Rex®6 with TheraPEAK® T-VIVO® Media

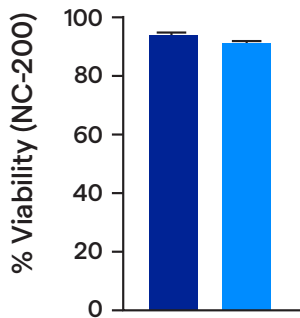


Figure 1. Cell viability measured at day 9 for two healthy donors, demonstrating high viability and healthy cells throughout culture.

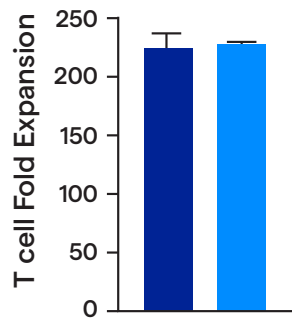


Figure 2. High fold expansion of T cells.

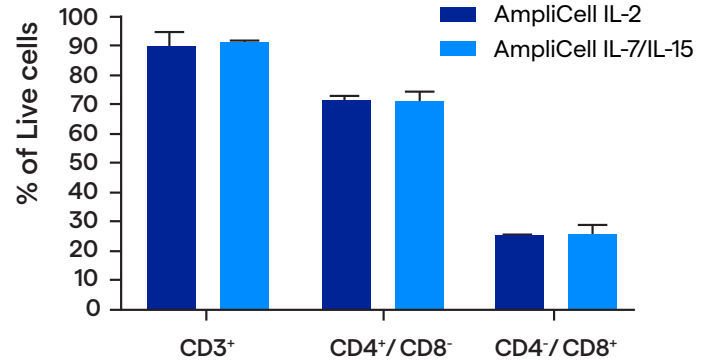


Figure 3. >99% frequency of T cells at the end of culture.

Interleukin	Available sizes	Standard
IL-2	10 µg / 100 µg / 1 mg	RUO and GMP
IL-7	10 µg / 100 µg / 1 mg	RUO and GMP
IL-12	10 µg / 100 µg / 1 mg	RUO and GMP
IL15	10 µg / 100 µg / 1 mg	RUO and GMP
IL-21	10 µg / 100 µg / 1 mg	RUO and GMP

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CT-TS010 09/25

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