



# OptiViro<sup>®</sup> T Cell Serum-free Medium

Focus on T Cell culture

## Product Overview

OptiVibro® T Cell Serum-free Medium (OptiVibro® T-SFM) is designed for the *in vitro* culture and expansion of human T lymphocytes, it is serum-free, xeno-free, and can work without any serum replacement.

## Product Features

1. Serum-free, xeno-free, work without any serum replacement.
2. Robust T Cell expansion with high viability during 14 days of culture.
3. Batch to batch consistency, scalability for clinical and commercialization.
4. Provided in bottle or bag format, suitable for different kinds of activation methods.
5. Independent research and development, stable supply.
6. Provide customized service to fit your workflow needs.
7. GMP grade, facilitate regulatory approval (DMF code 037572).



## A OptiVibro® T-SFM

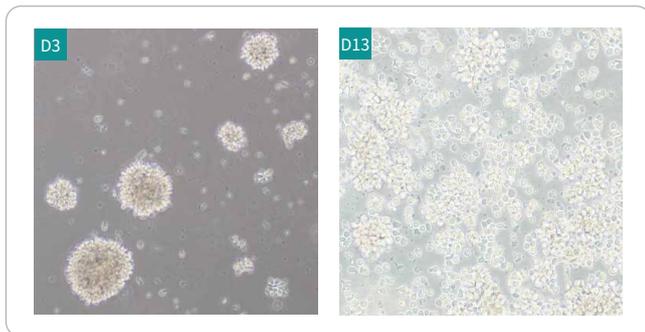


Figure 1. OptiVibro® T-SFM can support T Cells expansion.

T Cells are activated by anti-CD3/CD28 antibodies on Day 0, then subcultured every 2-3 days in OptiVibro® T-SFM. Images present the typical morphology of T cells on Day 3 and Day 13.

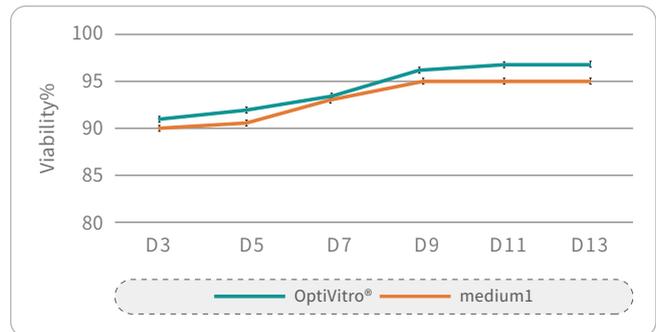


Figure 2. The viability of T Cells cultured in OptiVibro® T-SFM is better than medium1.

T Cell viability was determined every 2-3 days throughout the culture in OptiVibro® T-SFM and medium1. Data represents the mean of three replicates for each independent tests.

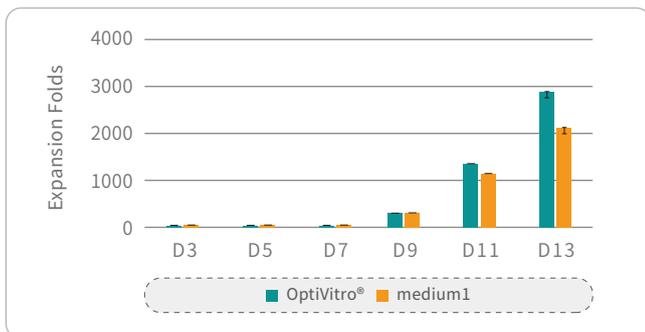


Figure 3. The expansion folds of T Cells cultured in OptiVibro® T-SFM is better than medium1.

T Cell density was determined every 2-3 days throughout the culture in OptiVibro® T-SFM and medium1, and the expansion folds were calculated. Data represents the mean of three replicates for each independent tests.

Note: Both medium in this test were supplemented with the same amount of IL-2, while immune cell serum replacement was added to medium1 according to manufacture's protocol.

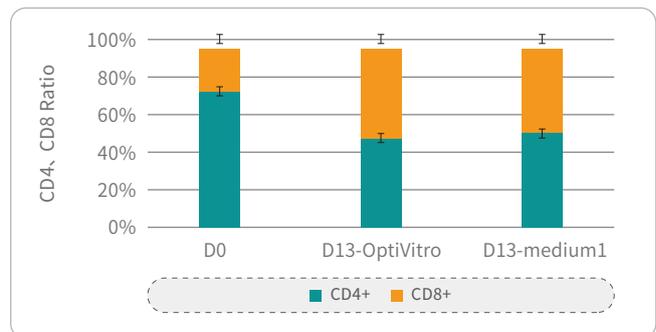


Figure 4. The distribution of T Cell populations cultured in OptiVibro® T-SFM is similar to medium1.

T Cell phenotypic characterization was performed in OptiVibro® T-SFM and medium1, on Day 0 and D13. Data represents the mean of three replicates for each independent tests.

## B OptiVibro® UniEx T-SFM

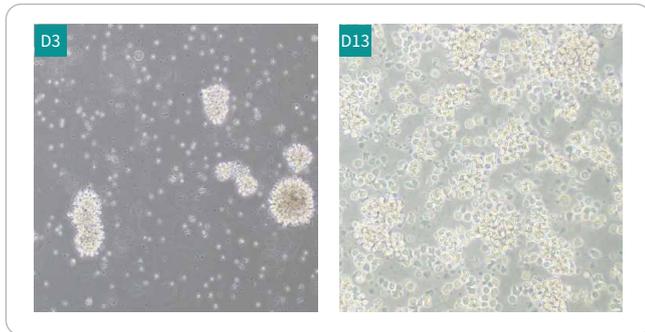


Figure 5. UniEx T-SFM can support T Cells expansion.

T Cells are activated by anti-CD3/CD28 antibodies on Day 0, then subcultured every 2-3 days in UniEx T-SFM. Images represent the typical morphology of T Cells on Day 3 and Day 13.

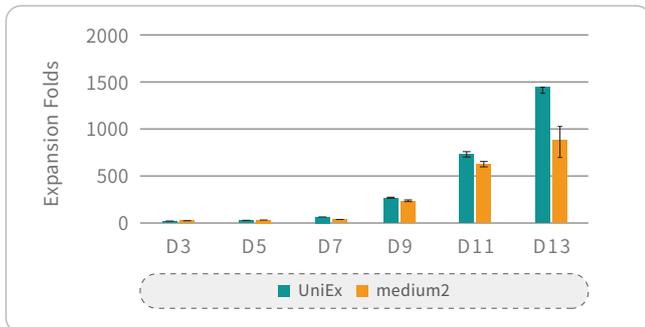


Figure 7. The expansion folds of T Cells cultured in UniEx T-SFM is better than medium2.

T Cell density was determined every 2-3 days throughout the culture in UniEx T-SFM and medium2, and the expansion folds were calculated. Data represents the mean of three replicates for each independent tests.

Note: Both medium in this test were supplemented with the same amount of IL-2.

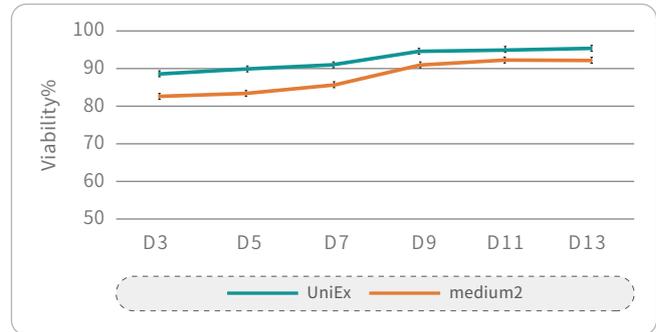


Figure 6. The viability of T cells cultured in OptiVibro® UniEx T-SFM is better than medium2.

T Cell viability was determined every 2-3 days throughout the culture in UniEx T-SFM and medium2. Data represents the mean of three replicates for each independent tests.

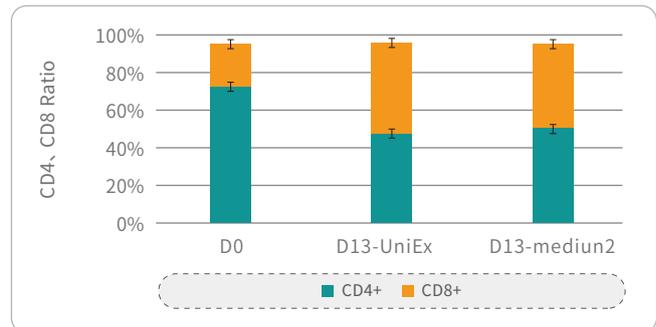


Figure 8. The distribution of T Cell populations cultured in UniEx T-SFM is similar to medium2.

T Cell phenotypic characterization was performed in UniEx T-SFM and medium2, on Day 0 and Day 13. Data represents the mean of three replicates for each independent tests.

## Product Information

OptiVibro® T-SFM series facilitate different kinds of application scenarios, and support seamless transition from research to clinical scale. Customized packing sizes and formulations are also available.

Product Name	Catalog No.	Amount
OptiVibro® T Cell Serum-free Medium	TE000-N022	1 L, bottle
OptiVibro® T Cell Serum-free Medium (phenol red-free)	TE000-N032	1 L, bottle
OptiVibro® T Cell Serum-free Medium (phenol red-free)	TE000-N071	1 L, bag
OptiVibro® T Cell Serum-free Medium (phenol red-free)	TE000-N072	2 L, bag
OptiVibro® T Cell Serum-free Medium (phenol red-free)	TE000-N073	5 L, bag
OptiVibro® UniEx T Cell Serum-free Medium (phenol red-free)	TE000-N042	1 L, bottle
OptiVibro® UniEx T Cell Serum-free Medium	TE000-N052	1 L, bottle

# ExCell

Suzhou ExCell Biotechnology Co., Ltd.

☎ 400 820 5021

✉ [globalsales@excellbio.com](mailto:globalsales@excellbio.com)

🌐 [www.excellbio.com](http://www.excellbio.com)



WeChat official account : ExCell Bio