

References

- Agrawal, G., Aung, A., & Varghese, S. (2017). *Skeletal muscle-on-a-chip: an in vitro model to evaluate tissue formation and injury*. Lab on a Chip, 17(20), 3447-3461.
<https://pubs.rsc.org/en/content/articlelanding/2017/lc/c7lc00512a/unauth>
- Association Information. AsMA | Aerospace Medical Association. (2025).
<https://www.asma.org/about-asma/association-info>
- Center for Biologics Evaluation and Research. (2025). *Center for Biologics Evaluation and Research (CBER)*. U.S. Food and Drug Administration.
<https://www.fda.gov/about-fda/fda-organization/center-biologics-evaluation-and-research-cber>
- Center for Drug Evaluation and Research. (2024). *FDA accepts first IStand proposal*. U.S. Food and Drug Administration.
<https://www.fda.gov/drugs/drug-safety-and-availability/fdas-istand-pilot-program-accepts-submission-first-organ-chip-technology-designed-predict-human-drug>
- 810-HB-SRP NASA Sounding Rockets User Handbook Sounding Rockets Program Office Sub-orbital and Special Orbital Projects Directorate NASA Goddard Space Flight Center Wallops Flight Facility Wallops Island, VA 23337. (2015).
<https://sites.wff.nasa.gov/code810/files/SRHB.pdf>
- Fernandez, M. (2024, July 9). *Here's how astronauts splash back to Earth* | Astronomy.com. Astronomy Magazine.
<https://www.astronomy.com/space-exploration/heres-how-astronauts-splash-back-to-earth>
- Leung, C. M., De Haan, P., Ronaldson-Bouchard, K., Kim, G. A., Ko, J., Rho, H. S., ... & Toh, Y. C. (2022). *A guide to the organ-on-a-chip*. Nature Reviews Methods Primers, 2(1), 33.
https://pure.rug.nl/ws/portalfiles/portal/239786608/s43586_022_00118_6.pdf
- Malik, M., Steele, S. A., Mitra, D., & Long, C. J. (2025). Trans-epithelial/endothelial electrical

resistance (TEER): Current state of integrated TEER measurements in organ-on-a-chip devices.

Current Opinion in Biomedical Engineering, 100588.

<https://www.sciencedirect.com/science/article/pii/S2468451125000133>

Moyer, M., & Chang, S. (Eds.). (2015). *ITAR/Export Control - HECC Knowledge Base*.

NASA. https://www.nas.nasa.gov/hecc/support/kb/itarexport-control_154.html

NASA Sounding Rocket Program Office. (2023, May). *NASA Sounding Rocket Handbook (20th ed.)*.

NASA Wallops Flight Facility. <https://sites.wff.nasa.gov/code810/files/SRHB.pdf>

Srinivasan, B., Kolli, A. R., Esch, M. B., Abaci, H. E., Shuler, M. L., & Hickman, J. J. (2015).

TEER measurement techniques for in vitro barrier model systems. Journal of laboratory automation, 20(2), 107-126. <https://pmc.ncbi.nlm.nih.gov/articles/PMC4652793/>

User Guide Pushing The RockSat Concept to New Extremes. (n.d.). Retrieved June 29, 2025,

from <https://www.nasa.gov/wp-content/uploads/2022/09/rocksat-x-user-guide-2024.pdf>