A Scalable and **GMP-compliant Electroporation Platform** that Accelerates Your Journey from Cell Therapy Research to Clinical Manufacturing

Presentation to SaxoCell



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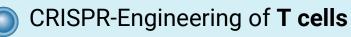
Agenda MaxCyte Presentation

A) Intro & Overview

- 1. Introduction to MaxCyte[®].
- 2. Overview of the ExPERT[™] Platform
 - workflow
 - consumables, instruments
 - technology features



B) Case Studies





CAR-mRNA expression in **Tregs**



Genetic modification of Macrophages with mRNA and DNA



Complex editing of **HSC**s with **large Base Editors**

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References MaxCyte Presentation

Case Studies	Citation	Publikation Link
A GMP-Compatible, Non-Viral CAR T Cell Manufacturing Process	Shy, B.R., Vykunta, V.S., Ha, A. et al. High-yield genome engineering in primary cells using a hybrid ssDNA repair template and small-molecule cocktails.	https://doi.org/10.1038/s41587-022-01418-8
	Nat Biotechnol 41, 521–531 (2023).	
CD19-CAR expression in Treg	internal MaxCyte data	Contact aroig@maxcyte.com
HSC engineering with large nucleases (Base Editors)	Newby GA, Yen JS, Woodard KJ, et al. Base editing of haematopoietic stem cells rescues sickle cell disease in mice. Nature. 595(7866):295-302, 2021, Springer	https://doi:10.1038/s41586-021-03609-w
Genetic modification of HSCs with mRNA and DNA	internal MaxCyte data	<u>www.maxcyte.com</u> /ressources
Genetic modification of Macrophages with mRNA and DNA	internal MaxCyte data	<u>www.maxcyte.com</u> /ressources

