xCELLigence RTCA Software Pro
Software Designed for Immunotherapy Applications

The Cell Analysis Company
Finally, a comprehensive software package designed specifically for immunotherapy applications.

**POWERFUL IMMUNOTHERAPY TOOLS AT YOUR FINGERTIPS:** This companion software package is designed to analyze cytolytic activity from the xCELLigence Real Time Cell Analysis (RTCA) platform, streamlining experimental design and analysis.

**WITH xCELLIGENCE RTCA SOFTWARE PRO:**
- Directly convert cell index measurements from the xCELLigence RTCA platform to % cytolysis
- Track measurements at physiologically relevant effector : target (E:T) ratios, with time points in seconds, minutes, hours, or days
- Apply multiple reference samples for determining % cytolysis and KT50 (time to kill 50% target cells)

**MORE ACCURATE REPRODUCIBLE CYTOLYTIC DATA:** Real time effector cytolysis can be consistently calculated at low, physiologically relevant E:T ratios.

**IDEAL FOR VARIOUS TYPES OF IMMUNOTHERAPY STUDIES:**
- NK cells
- CAR-T cells
- Bi-specific T cell Engagers (BiTEs)
- Immune checkpoint inhibitors
- Antibody dependent cell mediated cytotoxicity (ADCC)
- Tumor-Infiltrating Lymphocytes (TIL)

**SIMPLE EXPERIMENTAL SET UP**
Target cells, effectors, and treatments are easily introduced based on the experiment and well content. The interactive software interface automatically recognizes control wells based on plot type selection and normalization.

**EASILY VISUALIZE WELL CONTENT**
For each well, target cells, effectors, or treatments can be visualized individually or in combinations through a pie chart, enabling quick comparison between wells.
**GENERATE PUBLICATION READY DATA:** Select and simultaneously display relevant data from specific wells. Export % cytolysis time plots or bar graphs at specific time points. With the detailed kinetic curves, determine the amount of time it takes to kill 50% of the target tumor cells (KT50).

**EASY EXPERIMENTAL ANALYSIS:** Quickly evaluate efficacy of different treatments with automated normalization and compensation features. Measure treatment efficacy against various controls including target cells alone, effector cells alone, target + mock effectors, and full lysis control.

**PROVIDING IMMUNOTHERAPY SOLUTIONS WITH xCELLIGENCE RTCA SOFTWARE PRO:** One of the key challenges in the field of Immunotherapy is the ability to precisely evaluate target tumor cell killing in vitro. The assessment becomes more complex as antibodies, checkpoint inhibitors, and other biomolecules are added to the cytolytic assay. This intuitive software helps to overcome these challenges by providing reliable and quantitative data analysis of immunotherapy treatments.