

DESCRIPTION

Summary TruCytes™ Potency BCMA Kit synthetic cells are lyophilized cell mimics that feature selected biomarkers for use in CAR-T potency assays. This product contains no bio-hazardous material, so it is safe to use in any environment and requires no special disposal.
For Research Use Only. Not for use in diagnostic or therapeutic procedures.

PRODUCT DETAILS

Materials TruCytes™ Potency BCMA are hydrogels that are in lyophilized form

Handling and Safety This product contains no bio-hazardous material, so it is safe to use in any environment and requires no special disposal.

Shipping condition The product is shipped on ice.

Storage Store lyophilized products at -20°C upon receipt.
The product is recommended to be used immediately upon reconstitution.

Expiration 1 year from the date of manufacturing in lyophilized form

Concentration 2M particles/vial

Product Format 3 sealed glass vials per kit

QC IFN γ release from CAR-T

PREPARATION

Reconstitution Reconstitute in desired buffer or media.

General Instructions for Use

1. Tap down the vial to ensure that all cell mimics are collected at the bottom of the vial.
2. Add 1000 μ L of media to the vial and transfer contents to 15mL conical tube. Add additional 1000 μ L of media to vial, incubate 30 seconds to one minute, and transfer to same 15mL conical tube. Pellet cell mimics at 3000xg 3 mins room temperature.
3. Carefully remove supernatant from 15mL tube. Resuspend pellet in at least 1000 μ L media, pellet as in (2).
4. Repeat step 3.
5. Carefully remove media and resuspend pellet in 1000 μ L media. Remove sample and count particles using a flow cytometer, hemacytometer, or automated counting instrument that incorporates phase contrast imaging to identify cells.
 - a. Note: If counts are performed on automated cell counter instrument with trypan blue exclusion, use total cell count. Automated cell counter instruments that rely exclusively on dye-based detection will require alternate methodology. Please reach out to Slingshot Biosciences for instrument-specific protocols or to discuss alternative options.

6. Pellet remaining sample as in (2), carefully remove supernatant, and resuspend mimics at desired concentration for assay.

DATA

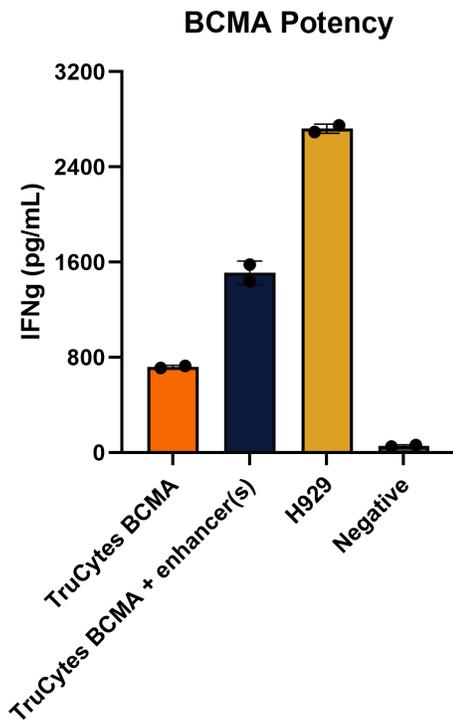


Figure 1. **Specific activation of BCMA CAR-T.** BCMA CAR-T were cultured at 1:1 E:T with TruCytes Potency negative (SL-00039), BCMA (SL-00040), and BCMA + enhancer(s) (SL-00041), or H929 cell line. Supernatant collected after 18 hours of culture was quantified for IFN γ with BD CBA on Cytex Aurora.