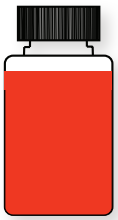
Quick Guide to CAMEO™-96



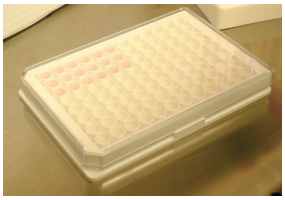
STEP 1
Transfer 0.72 mL of the CAMEO™-96 Master Mix to 5mL sterile tubes using a repeater pipette for accuracy

STEP 3
Add 0.08 mL of sample working cell suspension to produce CAMEO™-96 Culture Master Mix

STEP 2
Prepare cell suspension to a mononuclear cell (MNC) fraction. Perform cell count and viability and adjust to working cell concentration

STEP 4
Thoroughly mix by vortexing

STEP 5
Dispense 0.1mL of Culture Master Mix into each of 6 replicate wells, using a repeater pipette for accuracy

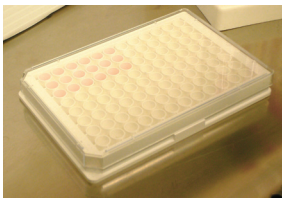


TIPS

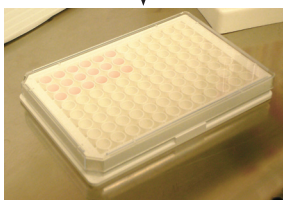
- Never use a total nucleated cell (TNC) fraction as this will underestimate cell growth and interfere with ATP measurement.
- Do not use a syringe and needle to dispense the CAMEO™-96 Master Mix.
- Always dispense the Master Mix into the bottom of the well, never on the side.
- Always incubate plates in a humidified chamber to prevent drying out.
- Always use gloves when measuring ATP.
- Always perform calibration and standardization prior to measuring ATP samples.

STEP 6
Incubate for 7-10 days
(depending on species and cell population, see manual)
at 37°C in 5% CO_2 and 5% O_2 (preferred)

STEP 7
Manually count all colonies in all replicate wells for each sample



STEP 8
Calibrate and standardize proliferation assay prior to sample measurement (see separate Quick Guide)



STEP 9
Add 0.1mL of ATP-ER to each well, mix and measure bioluminescence after 10 min incubation in the dark

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