



Instructions for isolation of single from CellSearch enriched samples using VyCAP's Puncher

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Version 1.0

Reagents

Buffers

- 1x PBS, filtered with a 0.2µm filter prior to use

Run samples on the CellTracks® AutoPrep® System using CTC X9-protocol

1. Select Run Batch on the AutoPrep system.



Figure 1. The operating window of the Autoprep system after start-up, with Run Batch as highlighted item.

2. Select desired X-9 kit protocol and follow the instructions of the device.

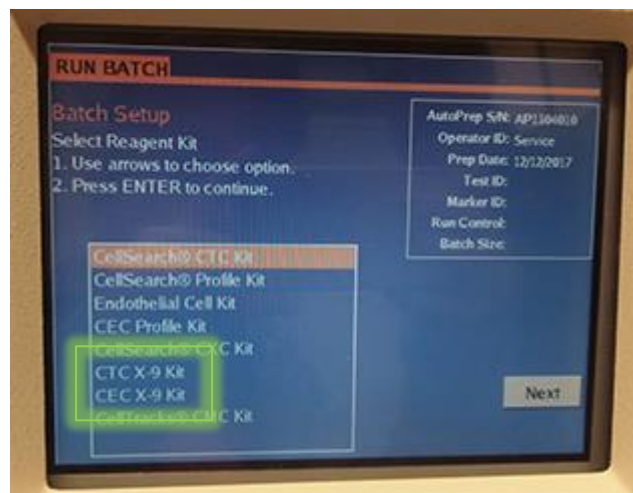


Figure 2. The operating window of the CellSearch's CellTrack Autoprep device after selecting Run Batch, with CTC X-9 kit and CEC X-9 kit emphasized.



Distribute Autoprep X-9 enriched cells in VyCAP's microwells

After performing the X-9 protocol, the enriched sample with a volume of 950 μ l is present in a 14mL sample tube inside of the Autoprep system.

1. Remove Autoprep sample tube from the Autoprep system.
2. Pipet the 950 μ l enriched sample up and down to mix the sample.
3. Prepare the microwell chip and transfer the sample to a pre-wetted, rinsed micro-well chip inside according VyCAP's Cell Seeding protocol.
4. Rinse the Autoprep sample tube with 500 μ l PBS and add this to the micro-well chip.
5. Repeat step 4.
6. Filter the sample by turning on the pump station at a pressure of 20 millibar.
7. After all the sample has passed through the microwells chip, remove the slide with microwell chip and rinse the bottom side of the chip with 1mL PBS.
8. Dry bottom side of the microwell chip using VyCAP's staining holder.
9. Proceed to the Puncher to image and isolate the single cells of interest