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FUELING YOUR INNOVATION



# SMARTSEC™-TC

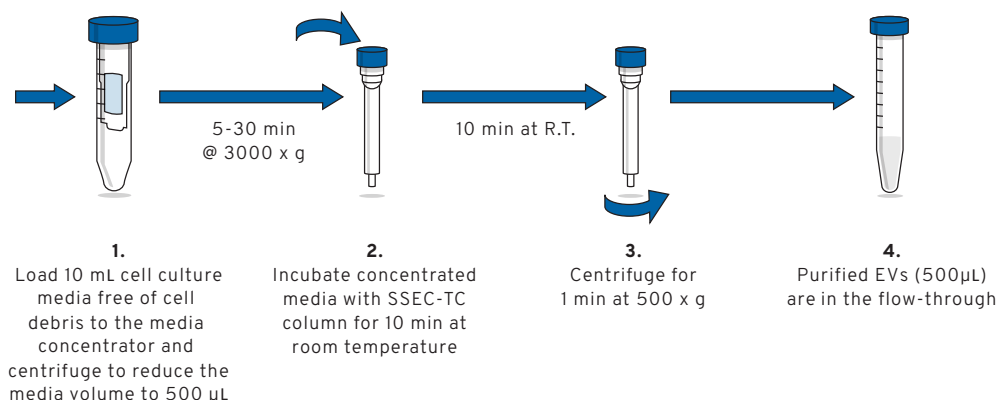
## SINGLE-FRACTION ELUTION EV ISOLATION KIT FOR TISSUE CULTURE MEDIA

SmartSEC-TC is our latest innovation in extracellular vesicle (EV) isolation optimized for large volumes of tissue culture media. With 6x higher yield and 3x higher purity than silicon carbide-based methods, this new kit provides more precise, accurate, and reproducible results. SmartSEC-TC is also 2-3x faster than conventional SEC, significantly accelerating your workflow. Its single-fraction elution and minimal hands-on time streamline the isolation process, making it perfect for a wide range of downstream applications, including Western blot, NTA, TEM, RNA-Seq, proteomics, and lipidomics profiling.

### KIT CONTENTS (CAT#: SSEC-TC-200A-1)

| COMPONENT                        | QTY/VOLUME      | STORAGE TEMPERATURE |
|----------------------------------|-----------------|---------------------|
| Media Concentrator               | 8 concentrators | +4°C - +30°C        |
| SmartSEC-TC column               | 8 columns       |                     |
| Column buffer                    | 50 mL           |                     |
| Column closures                  | 8               |                     |
| Media Concentrator Max. Capacity | 15mL            |                     |
| Concentrated Media Range         | 300-600 µL      |                     |

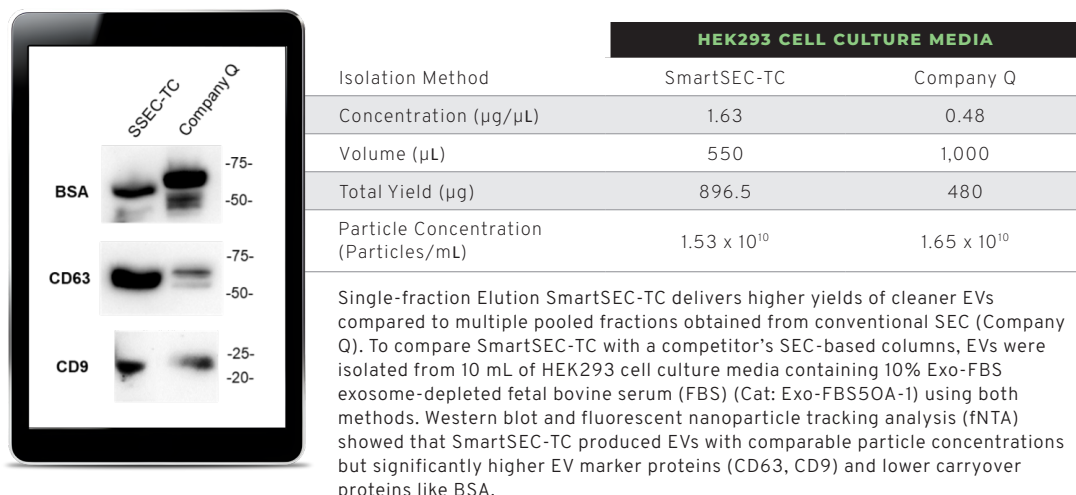
### SIMPLE WORKFLOW



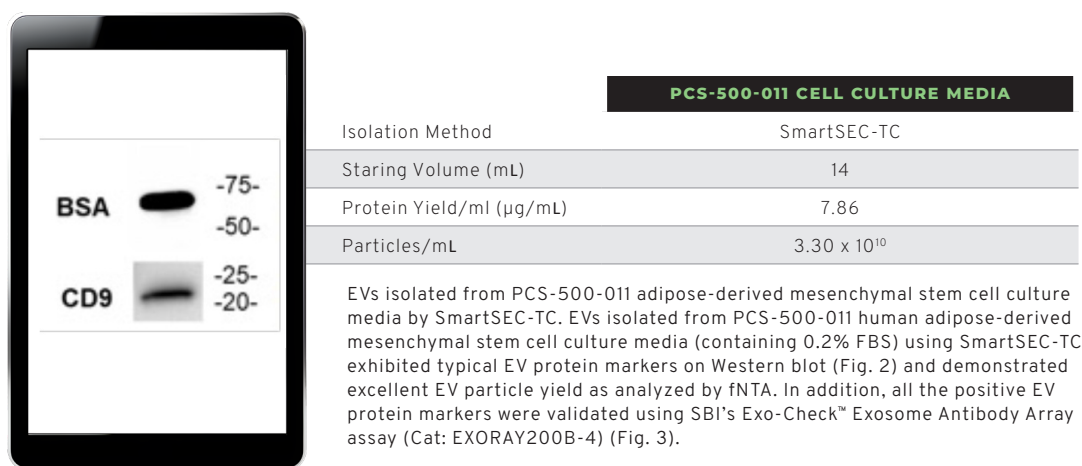
Hands-on time: <10 minutes; total run time: <59 minutes for serum-free media and up to 90 min. for regular culture media

## SUPPORTING DATA

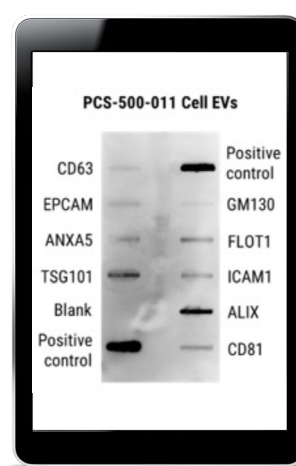
**FIG. 1: SMARTSEC-TC ACHIEVES SUPERIOR EV PURITY COMPARED TO CONVENTIONAL SEC**



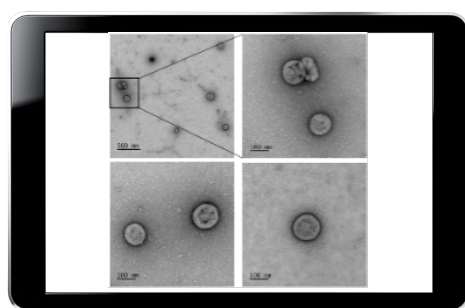
**FIG. 2: SMARTSEC-TC ENSURES HIGH-PURITY EV ISOLATION IN LOW-SERUM STEM CELL CULTURE**



**FIG. 3:**



**FIG. 4: SMARTSEC-TC DELIVERS MORPHOLOGICAL INTEGRITY OF ISOLATED EVS**



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