

Materials List for:

Rapid Isolation of Viable Circulating Tumor Cells from Patient Blood Samples

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Materials

| Name | Company | Catalog Number | Comments |
|---|-------------------------------|-----------------|----------|
| 300 um ID tubing | Braintree Scientific, Inc. | MRE025 | |
| Larger tubing for connection to syringe | IDEX Health Science | 1507L | |
| 5mL syringe for pump | BD Biosciences | 309603 | |
| Connector small to large tubing | IDEX Health Science | P-770 | |
| Connector large tubing to syringe | IDEX Health Science | F-120 and P-659 | |
| Syringe for microtube (3/10cc Insulin Syringe U-100 29G 1/2') | BD Biosciences | 309301 | |
| Accutase | MP Biomedicals LLC | 1000449 | |
| Ficol-Paque Plus | GE Healthcare Bio-Sciences AB | 17-1440-03 | |
| RBC Lysis Buffer (Buffer EL, 1000mL) | Qiagen | 1014614 | |
| Protein G, 5 mg | CalBiochem (calbiochem.com) | 539303 | |
| Human EpCAM/TROP-1 Antibody | R&D Systems | MAB960 | |
| PSMA Antibody (GCP-04) | Abcam | ab66911 | |
| 96 well plates (Microtest 96) | BD Biosciences | 35-3072 | |
| Blotting Grade Blocker Non-Fat Dry Milk, 300g | Bio-Rad | 216005508 | |
| Halloysite Nanotubes | NaturalNano | NN-HNT200 | |
| Calcium Carbonate, 5g | Aldrich Chemistry | 481807 | |
| rhE-Selectin/Fc Chimera, 100 ug | R&D Systems | 724-ES | |
| RPMI Medium 1640 | GIBCO, by Life Technologies | 22400-089 | |
| DPBS | GIBCO, by Life Technologies | 14190-095 | |
| Poly-L lysine 0.1% w/v in water | Sigma-Aldrich | P8920-100ML | |
| Sonic Dismembrator | Fisher Scientific | Model 100 | |
| Fetal Bovine Serum | Atlanta Biochemicals | S11056H | |
| Penicillin Streptomycin | Sigma Life Sciences | P0781 | |