Cancer Stem Premium™

Serum-free medium optimized for isolation and propagation of tumor sphere forming cancer stem cells

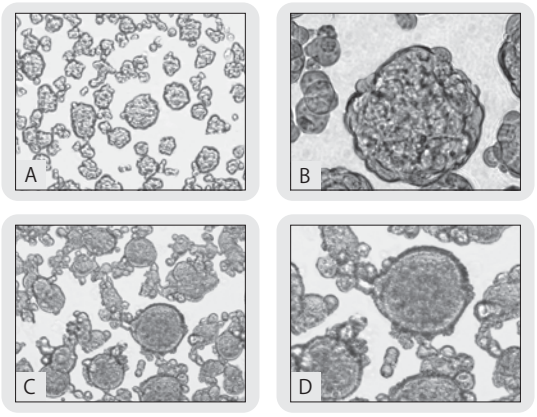
Product	Volume	Catalog #	
Cancer Stem P remium™	100 mL	20101-100	
	500 mL	20141-500	

Pluripotent, progenitor Cancer Stem Cell (CSC)'s, and their ability to direct the growth and proliferation of new tumor masses, even following therapeutic intervention, has led Promab, with it's long history of monoclonal antibody development to aggressively pursue programs to develop CSC marker-specific antibodies, that may then be used as research or direct therapeutic tools. A direct consequence of this strategy has led to Promab's development of CSC-specific cell culture procedures, and products to allow for CSC isolation and propagation as tumor spheres. This may be accom - plished using Promab Biotechnologies Cancer Stem PremiumTm media, a specialized serum-free media optimized for the growth and selection of spheroid forming CSC's. As Cancer Stem Medium was developed specifically to examine both established and novel cell CSC-specific surface markers, the user can be assured of its potency as a tool to allow for the analysis of the developing CSC and associated tumorspheres.

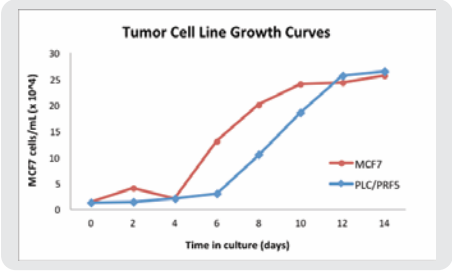
Related Products...

Product	Volume	Catalog #
Cancer Stem Premium Plus™	100 mL	TBA
	500 mL	TBA

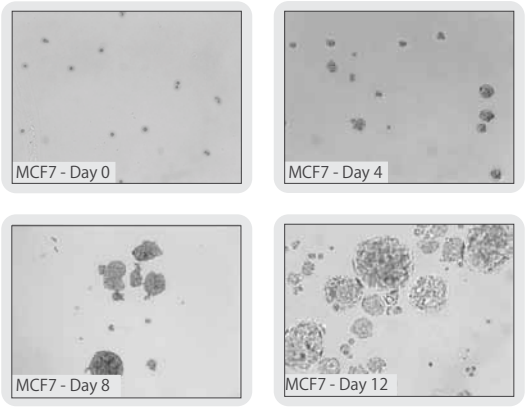
Tumor Sphere Growth & Morphology



Morphology of tumor spheres, formed from adherent populations cultured in Cancer Stem Premium™ for 10 days.
(A) MCF-7-associated tumorspheres, 8-days in culture.
(B) close-up of an 8-day MCF-7 -associated tumorsphere.
(C) PLC/PRF/5-associated tumorspheres, 8-days in culture.
(D) close-up of an 8-day PLC/PRF/5-associated tumorsphere.



Growth curves for cells disaggregated from tumorspheres up to 14 days, for a). the breast adenocarcinoma cell line MCF7, and b). the human hepatoma cell line PLC/PRF/5. In both cases tumorsphere re-formation is first observed at approximately 3-4 days, with maximum radius of spheres occurring at approximately 9-10 days. Cells were collected (graphs show mean values for triplicate well counts), trypsinized to disrupt aggregates and tumorspheres, and counted.



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