

Overview of the PromoCell Cancer Cell Media Portfolio and their applications.

	Primary Cancer Culture System D-ACF	3D Tumorsphere Medium XF	Cancer Cell Line Medium XF	
Product Specification	Main application	Primary cancer cell isolation maintenance of heterogeneity	Adherent long-term expansion of cancer cell lines	
	Culture pattern	2D/3D	2D	
	Formulation	Defined formulation, animal-component free	Serum-free, xeno-free	Serum-free, xeno-free
	Additional supplementation required	No	No	No
	Plasticware	TC-treated	Suspension Culture	TC-treated
	Culture surface treatment required	NCCD-Reagent (incl.)	No	Human fibronectin (C-43060; not included)
Product Application	Selective isolation of malignant cells from primary tumors	✓	✗	✗
	Selective isolation of malignant cells from PDX	✓	✗	✗
	Limited stroma support	✓	✗	✗
	Prevention of stroma overgrowth	✓	✗	✗
	Enrichment of malignant cells from established cultures	✓	✗	✗
	Depletion of non-cancerous cells from established cultures	✓	✗	✗
	Serial 3D tumorsphere culture of established cancer cell lines	✗	✓	✗
	Serial 3D mammosphere culture of established cancer cell lines	✗	✓	✗
	Serial 3D neurosphere culture of established cancer cell lines	✗	✓	✗
	Mammosphere culture (primary mammary stem cells)	✗	✓	✗
	Neurosphere culture (primary neural stem cells)	✗	✓	✗
	Adherent culture of established cancer cell lines	✗	✗	✓
Establish cell lines from primary cancer cells isolated with PCCS	✗	✓	✓	

2D/3D = 2-/3-dimensional, PCCS = Primary Cancer Culture System, TC = tissue culture, PDX = patient-derived xenograft, XF = xeno-free, CSCs = Cancer Stem Cells