

PRIME-XV Tumorsphere SFM

Serum-free medium for enrichment of CSCs from solid tumors

Formulated to provide optimal enrichment of cancer initiating stem cells (CSCs) from solid tumors

- Enrich populations of cancer initiating cells
- Verified to form tumorspheres from a variety of human tumor origins including, but not limited to breast adenocarcinoma (MCF-7), cervical carcinoma (HeLa) and alveolar adenocarcinoma (A549)
- Manufactured under cGMP conditions
- Available in 100 mL packaging
- Custom packaging available

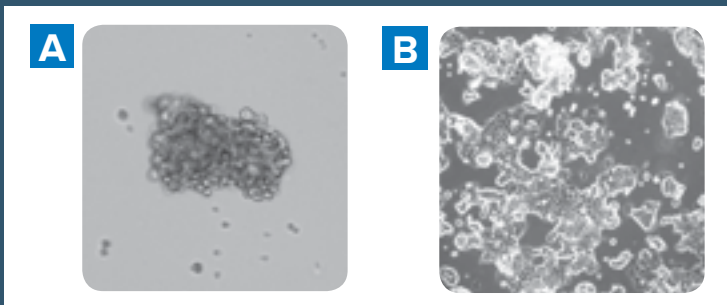


Figure 1. PRIME-XV Tumorsphere SFM supports tumorsphere formation of MCF-7 cells (A) compared to control 10% serum-containing DMEM (B). Phase images were taken at 10X magnification.

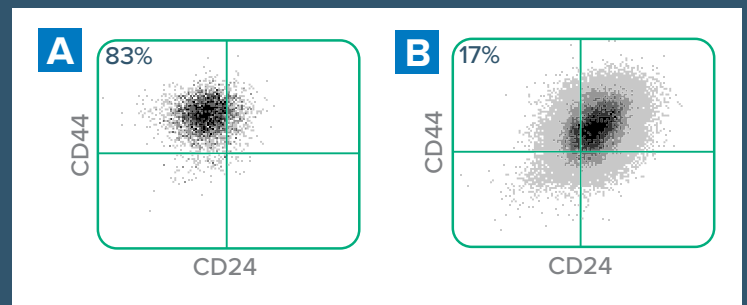


Figure 2. Flow cytometry analysis of MCF-7 cells cultured for 7 days in PRIME-XV Tumorsphere SFM (A) showed a five-fold enrichment of CD44⁺/CD24^{low} cells compared CD44⁺/CD24^{low} cells in control 10% serum-containing DMEM (B).

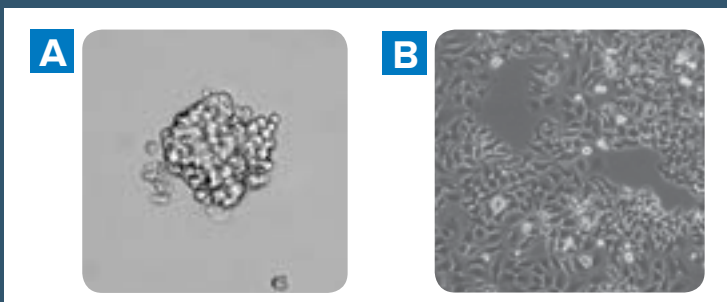


Figure 3. PRIME-XV Tumorsphere SFM supports tumorsphere formation of HeLa cells (A) compared to control 10% serum-containing MEM (B). Phase images were taken at 10X magnification.

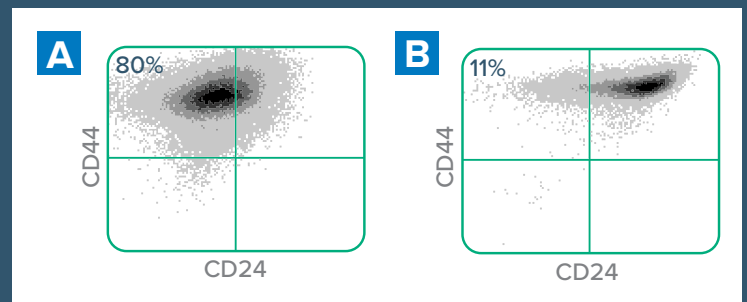


Figure 4. Flow cytometry analysis demonstrates an enrichment of CD44⁺/CD24^{low} HeLa cells in PRIME-XV Tumorsphere SFM (A) than in control 10% serum-containing MEM (B).

Ordering Information

Media	Catalog #	Size*	Additional Information
PRIME-XV Tumorsphere SFM	91130	100 mL	Serum-free. Does not contain antibiotics.

Related Products

Item	Catalog #	Size*	Additional Information
PRIME-XV FreezIS	91139	100 mL 10 mL	Chemically-defined, free from animal components and proteins. Contains 10% DMSO.
MEM NEAA 1X Earle's Salts	9130	500 mL	Used for tumorsphere formation assay (refer to product insert for protocol)

*Custom sizes and packaging available on request.



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Value from Innovation

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