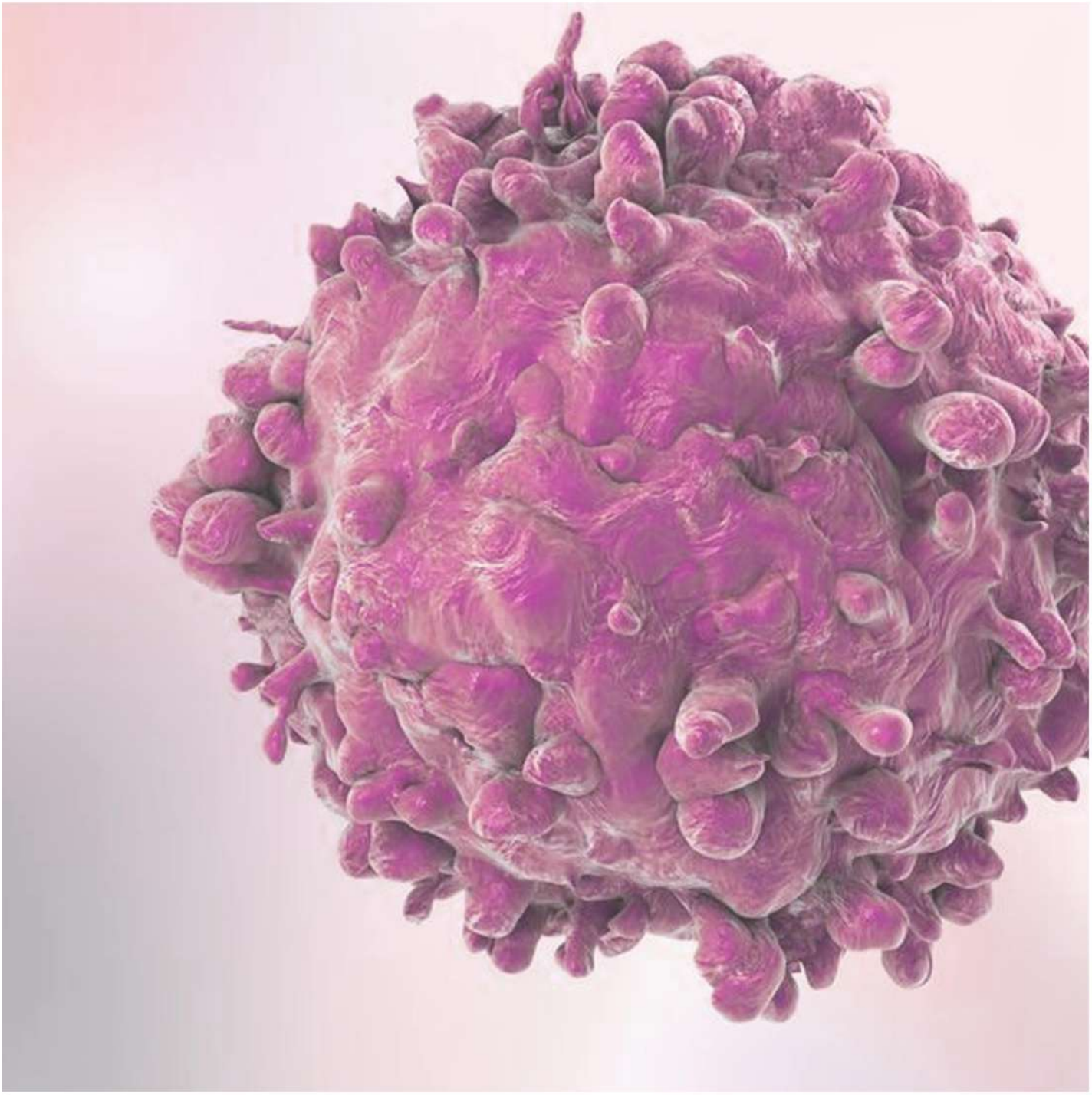
Cancer Cell Line Culture

Cancer Cell Lines: The Modern Tool in Cancer Research



Cancer Cell Culture

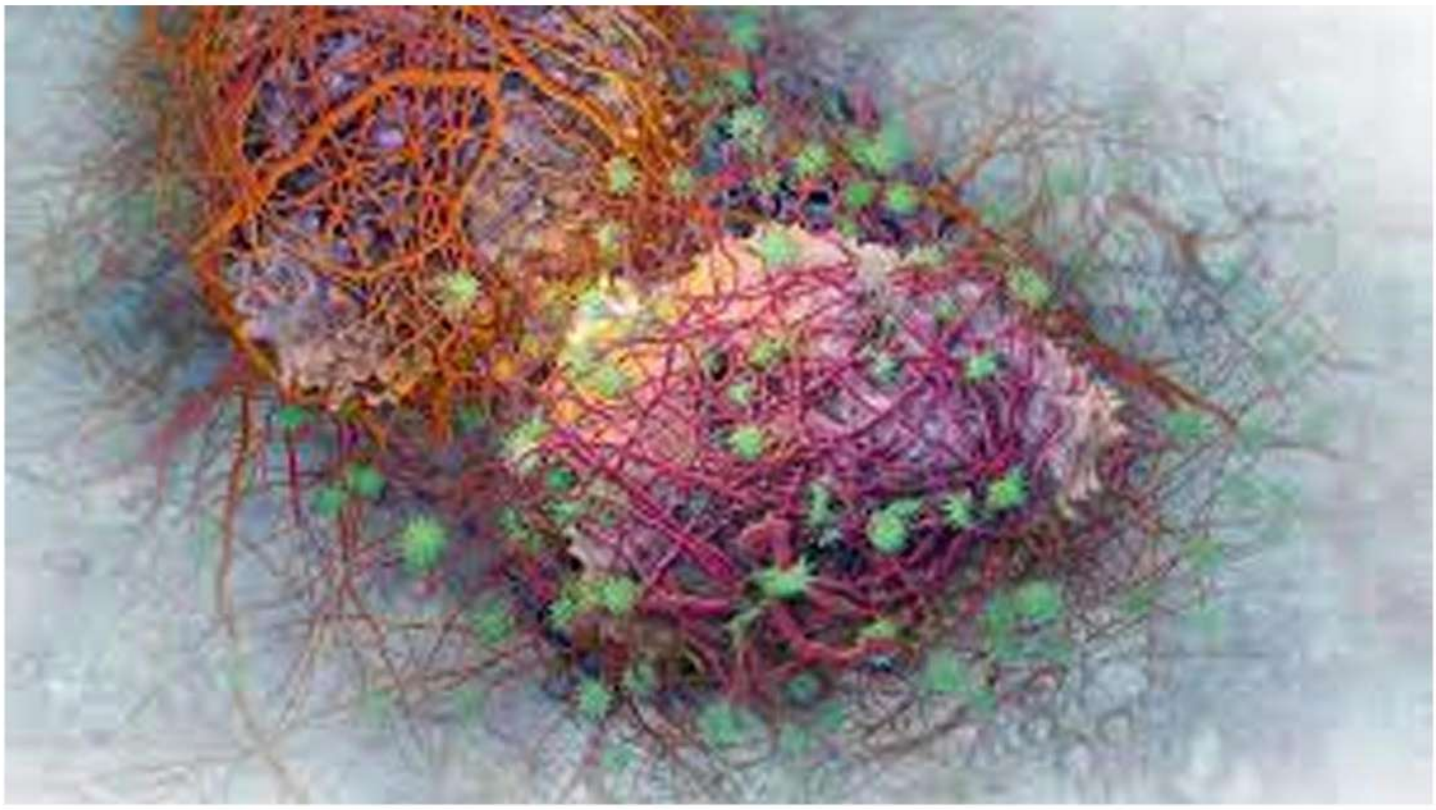
Our cancer cell culture portfolio covers a complete range of applications for culturing human malignant cells. Our innovative cancer cell culture solutions allow for culturing primary human cancer cells and cancer cell lines as 3D spheroids or 2D adherent monolayers. The xeno-free and serum-free formulation of our media allows for highly standardized cell culture conditions, and therefore ensures a high degree of reproducibility for your experiments.

Primary Cancer Culture System

Kosheeka Primary Cancer Culture System is a standardized, defined and animal component-free system for the isolation and culture of human primary tumor cells. It supports the long-term culture of cancer cells while maintaining the clonal diversity of malignant subpopulations. Due to precise stromal control, prolonged culture allows for functional selection of malignant cells. This principle enables access to an enriched population of primary cancer cells, also suitable for the generation of cancer cell lines.

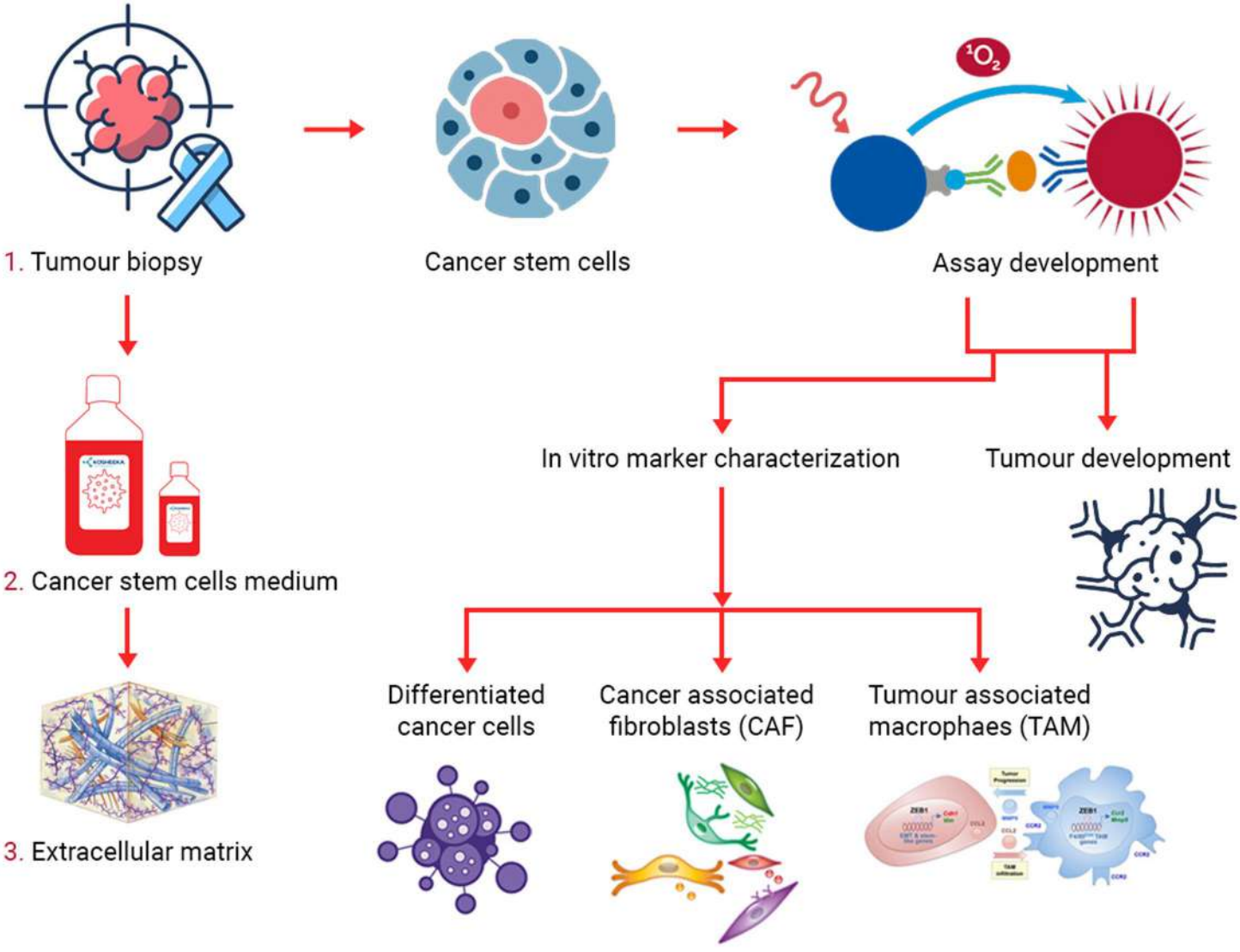
Cancer Cell Lines

The Kosheeka Cancer Cell Line Medium was designed with the aim of achieving a universal, consistent and xeno-free environment for culturing most commonly used human cancer cell lines in 2D. It has no ill-defined components such as fetal calf serum, extracts or hydrolysates and exhibits very low lot-to-lot variability. Being broadly usable across all common adherently growing cancer cell lines, this culture medium is a cost-effective solution for ensuring efficient, genuinely standardized routine cultures.



Considering the wide prevalence of cancer, various cancer cell lines are routinely used as the modern in vitro model systems for cancer research and drug discovery. Their applications in the scientific world are primarily linked with the use of an easily available replica of in vivo growing cancer for experimental purposes through the indefinite source of biological material. The world of medical research has evolved over the period, and the cell lines isolated from cancer cells are frequently used in biomedical research for understanding the disease pathophysiology; to explore potential new treatments. These immortalized cell lines grow continuously in an unlimited number of passages.

Kosheeka is contributing to cancer research through several cell lines as a viable alternative that is free from any contamination.



Kosheeka is maintaining a good inventory for different types of cancer cell lines:

Product	Cell lines
Leukaemia cell lines	• JURKAT E6.1 • HL-60
Pancreatic cancer cell lines	• CFPAC-1 • PANC-1
Colorectal cancer cell lines	• CACO-2 • LOVO
Prostate cancer cell lines	• DU 145 • LNCaP
Liver cancer cell lines	• HEP G2 • HEPA RG
Breast cancer cell lines	• HCC 1937