

Supporting the shift to animal component-free and xeno-free research

Key advantages of our ACF and XF products:

- **Ensure consistent, reproducible results:** ACF and XF formulations eliminate the variability of animal-derived components to achieve reliable, repeatable outcomes across labs and experiments. These media are suited for scale-up applications, ensuring batch-to-batch consistency and supporting seamless process transfer from research to clinical development.
- **Strengthen regulatory compliance:** With defined ingredients, ACF and XF media simplify documentation requirements and support streamlined approval processes, thereby enhancing regulatory compliance.
- **Support ethical, sustainable science:** By removing animal-derived materials, these formulations align with animal welfare standards and reduce the environmental footprint associated with traditional serum production.
- **Enable global collaboration:** Facilitate international partnerships and commercialization by aligning with worldwide industry trends toward ACF and XF products, supported by funding initiatives for animal-free research.



Our animal component-free and xeno-free products:

Product name	Short description	Formulation	Catalog no.
Monocyte Attachment Medium	For efficient adherence selection of monocytes from freshly isolated human mononuclear cells	Defined, animal component-free, and protein-free	C-28051
Preadipocyte Differentiation Medium	For the differentiation of preadipocytes into mature adipocytes	Defined and animal-component free	C-27437
Primary Cancer Culture System	For the selective culture of malignant cells derived from primary tumors or patient-derived xenografts	Defined, and animal-component free	C-28081
Skeletal Muscle Cell Differentiation Medium	For the differentiation of skeletal muscle cells	Defined and animal-component free	C-23061
Freezing Medium Cryo-SFM Plus	For optimal cryopreservation and cell storage	Defined, animal component-free, and protein-free	C-29920/C-29922 C-29930/C-29932

Product name	Short description	Formulation	Catalog no.
Fibroblast Growth Medium D-ACF	For Normal Human Dermal Fibroblasts (NHDF) from juvenile donors	Defined and animal-component free	C-23027/C-23017
Dendritic Cell Generation Medium XF	For the generation of dendritic cells from peripheral blood monocytes	Xeno-free	C-28052
3D Tumorsphere Medium XF	For the cultivation of cancer cell lines as 3D tumorspheres	Xeno-free	C-28070/C-28075
Airway Epithelial Cell Growth XF (prf)	For the expansion of airway epithelial cells	Xeno-free	C-21050
Cancer Cell Line Medium XF	For the standardized in vitro cultivation of established cancer cell lines	Xeno-free	C-28077
Hematopoietic Progenitor Cell Expansion Medium XF	For the expansion of primitive human hematopoietic cells	Xeno-free	C-28021/C-28022
M1-Macrophage Generation Medium XF	For the generation of M1 macrophages from fresh monocytes	Xeno-free	C-28055
M2-Macrophage Generation Medium XF	For the generation of M2 macrophages from fresh monocytes	Xeno-free	C-28056
Macrophage Base Medium XF	Customizable medium for the generation of macrophages from fresh monocytes	Xeno-free	C-28057
Mesenchymal Stem Cell Growth Medium XF	For the proliferation of mesenchymal stem cells	Xeno-free	C-28019/C-28018
Macrophage Detachment Solution	Non-enzymatic detachment solution optimized for gentle detachment of strongly adherent macrophages	Chemically defined	C-41330

Discover more

Learn more about how we define our media formulations:
[Cell culture media formulation guide](#)

Contact us

Do you need help selecting the right cell culture medium?
 Contact us at scientific.support@promocell.com

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