Selected references

gentleMACS™ Dissociators and kits

Human tumor

Isolation of tumor-associated macrophages (TAM)
www.ncbi.nlm.nih.gov/pubmed/25852557

Isolation and expansion of TILs from renal cell carcinoma (RCC)
www.ncbi.nlm.nih.gov/pubmed/25867267

Isolation of tumor cells from bladder tumors
www.ncbi.nlm.nih.gov/pubmed/25927440

Isolation and analysis of tumor cells and pancreatic stellate cells from pancreatic tumor
www.ncbi.nlm.nih.gov/pubmed/25221999

Isolation and analysis of tumor-infiltrating Tregs from colorectal and lung tumor (NSCLC)
www.ncbi.nlm.nih.gov/pubmed/27851914

Analysis of tumor-associated macrophages (TAMs) from glioblastoma
www.ncbi.nlm.nih.gov/pubmed/28218903

Xenograft tumor

Isolation of tumor cells and depletion of mouse cells from breast cancer patient-derived xenografts
www.ncbi.nlm.nih.gov/pubmed/26607327

Isolation and culture of primary tumor cells from human gliomas
www.ncbi.nlm.nih.gov/pubmed/26755664

Depletion of mouse cells from human tumor xenografts for next generation sequencing (NGS)
www.ncbi.nlm.nih.gov/pubmed/27501218

Isolation of tumor cells from colorectal cancer patient-derived xenografts
www.ncbi.nlm.nih.gov/pubmed/26843189

High-throughput isolation of tumor cells and depletion of mouse cells from breast cancer patient-derived xenografts
www.ncbi.nlm.nih.gov/pubmed/27292795
Isolation and analysis of tumor-infiltrating MDSCs and T cells from from mouse breast cancer model and patient-derived xenografts
www.ncbi.nlm.nih.gov/pubmed/27183469

Isolation and genomic analysis of tumor cells after depletion of mouse cells from small-cell lung cancer patient-derived xenografts
www.ncbi.nlm.nih.gov/pubmed/27611664

Isolation and analysis of cancer stem cells from colorectal cancer xenografts
www.ncbi.nlm.nih.gov/pubmed/25006808

Mouse tumor

Isolation and genomic analysis of tumor cells after depletion of mouse cells from small-cell lung cancer patient-derived xenografts
www.ncbi.nlm.nih.gov/pubmed/27611664

Isolation of cancer stem cells from colorectal cancer xenografts
www.ncbi.nlm.nih.gov/pubmed/25006808

Isolation and analysis of tumor-infiltrating myeloid-derived cells from synovial sarcoma
www.ncbi.nlm.nih.gov/pubmed/27956588

Flow analysis of tumor-infiltrating lymphocytes from B16F10 melanoma
www.ncbi.nlm.nih.gov/pubmed/25387892

Flow analysis and RNA isolation of tumor-infiltrating MDSCs and TILs from TC-1 tumors
www.ncbi.nlm.nih.gov/pubmed/24389335

Flow analysis of tumor-infiltrating MDSCs and TILs from thymoma
www.ncbi.nlm.nih.gov/pubmed/24859530

Isolation of cancer stem cells from glioblastoma
www.ncbi.nlm.nih.gov/pubmed/27467914

Lamina propria

Isolation of dendritic cells from mouse colon
www.ncbi.nlm.nih.gov/pubmed/26855029

Isolation of innate lymphoid cells from mouse small intestine
www.ncbi.nlm.nih.gov/pubmed/26249010

Isolation of intestinal cells from pups’ small intestine
www.ncbi.nlm.nih.gov/pubmed/23578787

Lung

RNA extraction from small intestine and lung
www.ncbi.nlm.nih.gov/pubmed/25227985

Isolation of IL-7–producing cells from mouse lung
www.ncbi.nlm.nih.gov/pubmed/27140620

Isolation of mast cell progenitors from mouse lung
www.ncbi.nlm.nih.gov/pubmed/25744159

Isolation of influenza virus from frozen mouse lung
www.ncbi.nlm.nih.gov/pubmed/27531997
**Adult brain**

*Isolation of living neonatal and adult astrocytes*

*Isolation of neurons from adult mouse brain*

*Isolation of cells from Alzheimer’s disease (AD) model mice for extracellular vesicle analysis*

*Isolation of CD3+ T cells from adult mouse brain*

**Neural tissue**

*Isolation of astrocytes and microglia from P30–P50 mouse brain*

*Preparation of brain cortex tissue and isolation of endothelial cells from P1–P2 and adult mouse*

*Isolation of astrocytes from subventricular zone of mouse brain*

**Liver**

*Isolation of macrophages and NK cells from mouse liver*

*Protein extraction from frozen human liver*

**Spleen**

*Isolation of pDCs from mouse spleen*

*Homogenization of human spleen*

**Neonatal heart**

*Isolation of ventricular myocytes from neonatal rat heart*
Isolation and gene profiling of cardiomyocytes from embryonic and neonatal mouse heart
www.ncbi.nlm.nih.gov/pubmed/26618511

Isolation of cardiomyocytes from neonatal mouse heart
www.ncbi.nlm.nih.gov/pubmed/25925989

Skeletal muscle
Isolation of neutrophils from C. perfringens–infected femoral muscle
www.ncbi.nlm.nih.gov/pubmed/27306065

Isolation of satellite cells from mouse skeletal muscle
www.ncbi.nlm.nih.gov/pubmed/25530839

Isolation and cultivation of satellite cells from mouse skeletal muscle
www.ncbi.nlm.nih.gov/pubmed/28229414

Skin
Isolation of Langerhans cells from mouse epidermis
www.ncbi.nlm.nih.gov/pubmed/26855029

Cell isolation from Zika virus (ZIKV)–infected human skin biopsy
www.ncbi.nlm.nih.gov/pubmed/26085147

Isolation of skin-infiltrating cells from mouse whole skin
www.ncbi.nlm.nih.gov/pubmed/25527789

Adipose tissue
Isolation of progenitor cells from stromal-vascular fraction (SVF) of mouse adipose tissue
www.ncbi.nlm.nih.gov/pubmed/26347713

Others
Homogenization of human lymph nodes
www.ncbi.nlm.nih.gov/pubmed/28084312

Homogenization of fecal pellets
www.ncbi.nlm.nih.gov/pubmed/27829062

Isolation of mitochondria
www.ncbi.nlm.nih.gov/pubmed/27500955