



TISSUES AND CELLS UTILIZED FOR GENOMIC ANALYSES: DNA, RNA, MICRORNA

IN VIVO

NON-HUMAN TISSUES

- » Blood (mouse, cow, dog)
- » Bone – milled (pig)
- » Choroid (rabbit)
- » Intestine (mouse, cow)
- » Liver (rabbit, mouse)
- » Ovary (mouse, cow)
- » Oviduct (cow)
- » Prostate (rat)
- » Retina (rabbit)
- » Skin (mouse, pig)
- » Spleen (rabbit)
- » Tail (mouse)
- » Thyroid (mouse)
- » Uterine Mucosa (cow)
- » Uterus (mouse)
- » Vagina (mouse, cow)

HUMAN TISSUES

- » Blood
- » Brain
- » Broncho-Alveolar Lavage (BAL) cells
- » Buccal Swabs
- » Cumulus Cells
- » Ex Vivo Skin Explants (fresh surgical and cadaver)
- » FFPE (archived, fresh)
- » Hair Follicles (face, scalp)
- » Placenta
- » Saliva (miRNA only)
- » Skin Biopsy Punches (2mm - 5mm)
- » Sweat Glands (micro-dissected)
- » Tape Strips (skin)

IN VITRO

2D CULTURES: HUMAN

- » Adipocytes
- » Fibroblasts
- » Keratinocytes
- » Melanocytes
- » Skeletal Muscle
- » Co-cultures of melanocytes, keratinocytes, fibroblasts

2D CULTURES: NON-HUMAN

- » Yeast
- » *P. aeruginosa* bacteria
- » Bovine Cell Culture

3D CULTURES: HUMAN

(purchased from MatTek)

- » Full-thickness EpiDerm (MatTek EFT-400)
- » Full Thickness MelanoDerm (MatTek MEL-300-FT)
- » EpiDerm (MatTek EPI-200)
- » MelanoDerm (MatTek MEL-300)