VitroVivo Biotech

Make Tissues, Cells, Genes and Molecules Visible

Data Sheet

Product Name: Genomic DNA Extracted from Pure Human Normal Mammary Gland Epithelial Cells Dissected by LCM from FFPE Sample

SKU#: LCM-D03003A

Product Preparation

1. FFPE samples are cut at 6 microns and mounted onto pen membrane glass slides and let the slides dry for 2 hours at room temperature.
2. After deparaffinization and rehydration, quick H&E staining is performed.
3. Arcturus XT Laser Microdissection System is used for LCM. Microdissection is performed using IR and UV laser and CapSure Macro LCM Cap.
4. The total dissected cells may be varied between 10,000 to 50,000 cells which depend on tissue type. The DNA is extracted from Caps by using Arcturus® PicoPure® DNA Extraction Kit. (Thermo Fisher, KIT0103).
5. Extracted DNA is quantized by UV adsorption in a NanoDrop.

Quality Control

1. The tissue H&E staining slides are examined by certified pathologists. Pathological re-confirmation report is generated and digital image captured. LCM is supervised by our certified pathologist.
2. Three example LCM images including Before, After LCM, and LCM cap images from LCM tissue slides are taken to demonstrate the dissected cells.
3. Quality scoring of FFPE genomic DNA and degraded genomic DNA is not tested, requiring researchers to evaluate.

Donor Information

Tissue ID	Organ	Pathology Diagnosis	Gender/Age
Hu-03003A	Human lung	Normal lung tissue	Male/51

Product Format and Size

100 ng of DNA

Applications

Genomic DNA extracted from pure cell population can be used for PCR, hybridization, sequencing and epigenetic, etc.

Storage

Store at -20ºC

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