**Diverse Clinical Applications of Circulating Tumor Cells in Cancers – CytoQuest™ CR**

**Cell-Surface Vimentin as Novel Epithelial-Mesenchymal Transition and Cancer Stem Cell Biomarkers for Pancreatic Cancer Circulating Tumor Cells**
- 7.5 mL whole blood of metastatic pancreatic cancer patient.
- CytoChipNano coated with CSV capture Mab.
- CTC detected with CSV-FITC, EpCAM-APC and CD133-Alexa647 Mabs.

**Capture and Isolation of EpCAM and CD133 Positive Cells in Peripheral Blood of Non-Small Cell Lung Cancer Patients**
- 2 mL whole blood of non-small cell lung cancer patient.
- CytoChipNano coated with EpCAM capture Mab.
- CTC detected with CK-FITC, CD45-PE and CD133-Alexa647 Mabs.

**Plastin-3 Transformed Circulating Tumor Cells in Hepatic Portal Vein of Pancreatic Cancer Patient for Predicting Liver Metastasis**
- 7.5 mL whole blood of pancreatic cancer patient.
- CytoChipNano coated with EpCAM capture Mab.
- CTC detected with PanCK-FITC, Plastin-3-Alexa647 and CD45-PE Mabs.

**Cell-Surface Vimentin and Pan Cytokeratin Positive Circulating Tumor Cells in Pleural Effusion of Lung Adenocarcinoma Patient**
- 20 mL pleural effusion of lung adenocarcinoma patient.
- CytoChipNano coated with CSV capture Mab.
- CTC detected with PanCK-FITC and CD45-PE Mabs.

**Antibodies Targeting ASGPR and PanCK for Capture and Identification of Circulating Hepatocellular Carcinoma Cells**
- 4.5 mL whole blood of hepatocellular carcinoma patient.
- CytoChipNano coated with ASGPR capture Mab.
- CTC detected with PanCK-FITC and CD45-PE Mabs.

**Circulating Epithelial Cells in Dialysis Patient with Acquired Cystic Kidney Disease**
- 2 mL whole blood of acute cystic kidney diseased patient.
- CytoChipNano coated with EpCAM capture Mab.
- CTC detected with CK-FITC and CD45-PE Mabs.

**Prenatal Detection of Fetal Trophoblasts in Maternal Circulation**
- 9 mL whole blood of pregnant donor.
- CytoChipNano coated with HLA-G capture Mab.
- CFC detected with TBA-TRITC and CD45-APC Mabs.

**Androgen Receptor Gene Amplification in Circulating Tumor Cells of Metastatic Castration-Resistant Prostate Cancer Patient**
- 2 mL whole blood of metastatic castration-resistant prostate cancer patient.
- CytoChipNano coated with EpCAM capture Mab.
- CTC detected with CK-FITC and CD45-PE Mabs.

**Cell-Surface Vimentin Transformed EMT CTCs**
- 2 mL whole blood of clear cell renal cell carcinoma patient.
- CytoChipNano coated with CSV capture Mab.
- CTC detected with CSV-FITC, EpCAM-APC and CD133-Alexa647 Mabs.

**Detection of Circulating Tumor Cells in Cholangiocarcinoma Patients**
- 2 mL whole blood from cholangiocarcinoma patient.
- CytoChipNano coated with EpCAM capture Mab.
- CTC detected with CK-FITC and CD45-PE Mabs.

**Circulating Tumor Cells as Metastatic Biomarker in Oral Squamous Cell Carcinoma**
- 2 mL whole blood of oral cancer patient.
- CytoChipNano coated with EpCAM capture Mab.
- CTC detected with CK-FITC and CD45-PE Mabs.

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