

# Blood-based Molecular Pathology

Tech ID: 27311 / UC Case 2017-129-0

## BACKGROUND

The routine cancer screening tests are mainly lengthy processes, which can be invasive and costly. Blood-based screening is an attractive option, as routine medical visits offer the opportunity to collect blood samples that may be screened for signs of disease. Currently the available options are limited.

## TECHNOLOGY DESCRIPTION

UC San Diego researchers have developed a testing process, together with a reference library, that can be used to assay a blood sample for the presence of cancer markers. The reference library covers a broad range of cancers, and the prediction accuracy is good. The ability to use whole blood samples, with minimal processing, allows efficient sample screening, and potentially automation.

## INTELLECTUAL PROPERTY INFO

Patent pending

## PATENT STATUS

Country	Type	Number	Dated	Case
United States Of America	Published Application	0087731-A1	03/19/2020	2017-129
Patent Cooperation Treaty	Published Application	2018119216	06/28/2018	2017-129

Additional Patent Pending

## CONTACT

University of California, San Diego  
Office of Innovation and Commercialization  
[innovation@ucsd.edu](mailto:innovation@ucsd.edu)  
tel: 858.534.5815.



## OTHER INFORMATION

### KEYWORDS

Diagnostic test, diagnosis, molecular pathology, cancer, oncology screening

### CATEGORIZED AS

- **Medical**
  - Disease: Cancer
  - Screening
- **Research Tools**
  - Screening Assays

### RELATED CASES

2017-129-0