

# Actionable Results To Help You Achieve A Definitive Diagnosis

**John Smith**

**Patient & Order Information**  
 DOB: 04/07/1970      Specimen ID: X19-1234  
 Gender: Male              Date of Collection: 01/01/2022  
 Microdissection: Laser      Biopsy Site: Liver

**CancerTYPE ID®**

Order ID: ORD-12345  
 Date Received: 02/02/2022  
 Date Reported: 02/02/2022

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MOLECULAR DIAGNOSIS

**MAIN CANCER TYPE:**  
**Pancreaticobiliary**

**PROBABILITY:**  
**90%**

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**SUBTYPE:**  
Gallbladder adenocarcinoma

**PROBABILITY:**  
89%

**Subtypes with relative probabilities <5%:**  
Pancreatic adenocarcinoma  
Cholangiocarcinoma

CANNOT BE EXCLUDED

**Intestine 8%**  
Colorectal Adenocarcinoma  
Small Intestine Adenocarcinoma

**Gastroesophageal adenocarcinoma 7%**

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ADDITIONAL COMMENTS

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CANCER TYPES RULED OUT WITH 95% CONFIDENCE

<p><b>Adrenal</b> Adrenocortical carcinoma Pheochromocytoma</p>	<p><b>Head &amp; Neck salivary gland carcinoma</b> <b>Kidney</b> Chromophobe renal cell carcinoma Clear cell renal cell carcinoma Papillary renal cell carcinoma <b>Liver hepatocellular carcinoma</b></p>	<p><b>Neuroendocrine</b> Small/large cell lung carcinoma Pancreatic Merkel cell carcinoma GI carcinoid Lung carcinoid <b>Ovary</b> Clear cell adenocarcinoma Endometrioid adenocarcinoma Mucinous adenocarcinoma Serous adenocarcinoma</p>	<p><b>Prostate adenocarcinoma</b> <b>Sarcoma</b> Undifferentiated Sarcoma (MFH) Primitive neuroectodermal (PNET) Lung Leiomyosarcoma Liposarcoma Osteosarcoma Synovial sarcoma <b>Sex cord stromal tumor</b> <b>Skin basal cell carcinoma</b></p>	<p><b>Squamous cell carcinoma</b> Cervix Head&amp;Neck / Skin Lung <b>Thymus</b> <b>Thyroid</b> Follicular/papillary carcinoma Medullary carcinoma <b>Urinary Bladder</b></p>
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## 1 MOLECULAR DIAGNOSIS

The tumor type with the highest probability is reported as the molecular diagnosis. The probability is based on the match of the gene expression pattern of the patient's tumor to that of a known tumor type and subtype within the CancerTYPE ID reference database of over 2,000 tumors. If the highest probability is <70%, the tumor is reported as indeterminate; in this case, the test report will still indicate tumor types that can be ruled out and those that cannot be excluded.

## 2 CANNOT BE EXCLUDED

When applicable, tumor types from the CancerTYPE ID reference database that show some gene expression profile similarity to the patient's sample such that they cannot be excluded from diagnostic consideration will be listed here in relative rank order.

## 3 RULE OUTS

The CancerTYPE ID test report also lists tumor types that can all be ruled-out with 95% confidence. In an independent validation of 790 blinded samples, the rule-outs were 95% accurate.<sup>1</sup> This may provide useful differential diagnostic information when two or more potential tumor types are suspected and one or more tumors may be indicated in the rule outs.

Order at [cancertypeid.com](http://cancertypeid.com)

For CancerTYPE ID Intended Use and Limitations visit [cancertypeid.com](http://cancertypeid.com)

References: 1.Kerr et al. Clin Cancer Res. 2012; 18(14): 3952-3960

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**CANCERTYPE ID®**

# CancerTYPE ID is Designed to help Resolve Unclear Diagnoses by Differentiating between 50 Tumor Types and Subtypes

## **Adrenal**

Adrenocortical carcinoma  
Adrenal pheochromocytoma

## **Brain**

## **Breast Adenocarcinoma**

## **Cervix Adenocarcinoma**

## **Endometrial Adenocarcinoma**

## **Gastrointestinal Stromal Tumor (GIST)**

## **Gastroesophageal Adenocarcinoma**

## **Germ Cell**

Nonseminoma  
Seminoma

## **Head & Neck Salivary Gland Carcinoma**

## **Intestine**

Colorectal adenocarcinoma  
Small intestine adenocarcinoma

## **Kidney**

Clear cell renal cell carcinoma  
Chromophobe renal cell carcinoma  
Papillary renal cell carcinoma

## **Liver Hepatocellular Carcinoma**

## **Lung Adenocarcinoma**

## **Lymphoma**

## **Melanoma**

## **Meningioma**

## **Neuroendocrine**

Small/large cell lung carcinoma  
Pancreatic  
Merkel cell carcinoma  
GI carcinoid  
Lung carcinoid

## **Ovary**

Clear cell adenocarcinoma  
Endometrioid adenocarcinoma  
Mucinous adenocarcinoma  
Serous adenocarcinoma

## **Pancreaticobiliary**

Cholangiocarcinoma  
Gallbladder adenocarcinoma  
Pancreatic adenocarcinoma

## **Prostate Adenocarcinoma**

## **Sarcoma**

Undifferentiated Sarcoma (MFH)  
Primitive neuroectodermal tumor (PNET)  
Leiomyosarcoma  
Liposarcoma  
Osteosarcoma  
Synovial sarcoma

## **Sex Cord Stromal Tumor**

## **Skin Basal Cell Carcinoma**

## **Squamous Cell Carcinoma**

Cervix  
Head & Neck / Skin  
Lung

## **Thymus**

## **Thyroid**

Follicular/papillary carcinoma  
Medullary carcinoma

## **Urinary Bladder**

