



# Onco-PDO™

Patient-Derived Organoids  
腫瘤類器官培養技術

## Personalised Treatment 個體化腫瘤藥物篩選

Right Drug   Right Patient   Right Time  
優選配藥   對準病人   準握時機



**Your body is unique,  
您的體質獨一無二**   **And so is your cancer.  
所患癌症亦一樣**

Everyone's genetic makeup makes them who they are, and these individual differences amongst people produce critical distinctions in how effective drug treatments will be. To accommodate for them, your treatment should be personalized just for you.

However, in current cancer treatments, patients are subjected to a "one-size-fits-all" approach in which standard drugs are given based on studies from the general population. This trial-and-error method means a patient may have to go through many treatments before finding the best one - a process that is extremely taxing on both the patient's health and body, as well as costly and **a waste of critical treatment time.**

遺傳基因決定一個人的特質，人體基因的差異導致藥物治療成效亦因人而異。因此，您的藥物治療方案應要度身訂制。現今的癌症病人普遍接受「通用」治療方案，即獲處方針對一般人群研究所得之標準抗癌藥物，可能未必是最適合您的抗癌藥物。您可能需要經多次調試才可找到最適合您的藥物——此過程不但對您身心及經濟負擔極重，**更可能會錯過治療黃金期。**

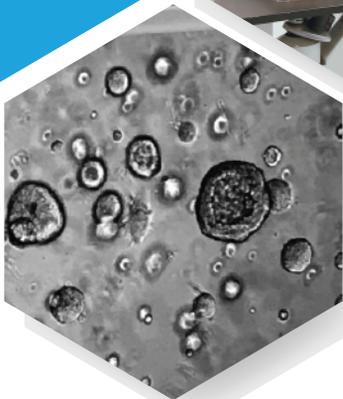
### Onco-PDO™

*can help you get the unique treatment you deserve,  
and this could make all the difference.*  
協助醫生揀選適合您的最佳抗癌藥物，實現個體化治療。



Please talk to your oncologist to find out if your cancer is suitable for Onco-PDO™ test  
請向您的腫瘤科醫生查詢，了解您的癌症是否適合進行Onco-PDO™測試。

Patient Information  
病人資訊



Provided by  
服務提供



INVITROCUE®  
Transforming bioanalytics

# Personalising Your Treatment

## 您的個體化腫瘤治療

### What Is 什麼是 Onco-PDO™ ?

Onco-PDO™ is the result of a first-of-its-kind partnership between **Invitrocue** & **A\*STAR's** Genome Institute of Singapore, a world-leading research institution in the field of personalised oncology. Instead of testing directly on you, Onco-PDO™ test uses your own cancer cells to identify the most effective treatment options by growing them in the form of tumour organoids in the laboratory, and testing them against a panel of approved chemotherapy drugs. From there, we can determine which drugs are most likely to be effective against your particular cancer.

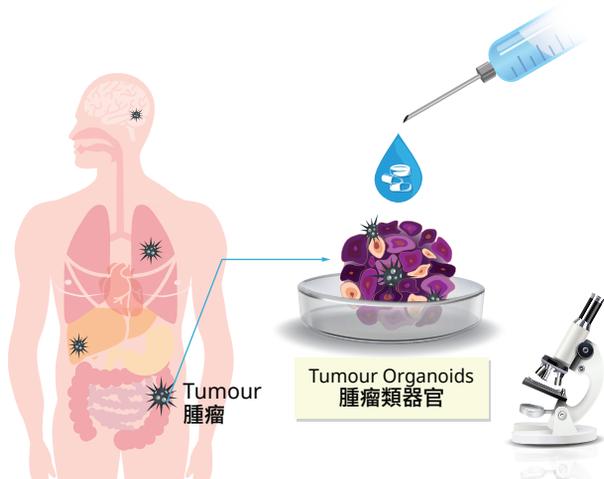
The results from the comprehensive drug options will be scored and compiled into a report for you and your treatment team, providing guidance on what drugs will work best. This information can then be used by your physician to develop a more informed and **individually tailored treatment strategy specially designed for you.**

This will allow for unique and tailored treatment of your cancer, saving precious time, money and most importantly, your health.

Onco-PDO™是**Invitrocue**與**A\*STAR**(新加坡科技局轄下之新加坡基因研究院)首度合作的研究成果，A\*STAR是全球個體化腫瘤學領域首屈一指的科研機構。

Onco-PDO™ 毋須於您體內進行藥物測試，而是在實驗室內培養您的癌細胞形成腫瘤類器官，並依據由主診醫生挑選的抗癌藥物清單進行藥物測試，從而鑒別對您最有效的藥物。

測試報告將列出針對您的癌細胞最有效的抗癌藥物，提供給您的醫療團隊作為藥物篩選的依據，**為您度身訂制個體化治療方案**。為您爭取寶貴時間和減輕身心經濟負擔之時，更對您的健康有益。



### How Does It Work ?

#### 它如何運作



A portion of tissue is removed from the tumour during surgery or routine biopsy

醫生在手術或常規組織活檢(俗稱：抽組織)期間抽取部份腫瘤組織



Your cancer cells are grown in the laboratory and treated with various cancer drugs

腫瘤組織送至實驗室培養腫瘤細胞並進行藥物測試



The response of your cancer cells to the drugs is measured

紀錄癌細胞對藥物的反應結果



A report is sent to your oncologist detailing these results

報告將寄給您的腫瘤科醫生，詳述測試結果



Your oncologist decides the best course of treatment for you based on these results

您的腫瘤科醫生決定最適合您的治療方案

#### Disclaimer 免責聲明

- There is a chance that testing cannot be completed due to potential sample contamination, low cell count/viability, or other limitations of the sample collected. Response data in the Onco-PDO™ test may not always be reflective of patient specific response due to additional physiological factors. Results from these reports should be used in consultation with your physician and treatment team. The Onco-PDO™ report alone should not determine or guide the treatment plan.
- 基於潛在樣本污染、細胞數/存活率低或所採集之樣本的其他限制，測試有可能無法完成。基於其他生理因素，Onco-PDO™測試報告的數據有時可能與病人的藥物反應不完全一致。應先向您的醫生及治療團隊諮詢，然後方可採納報告結果。不應僅以Onco-PDO™報告作為判定或指引治療計劃之用。



## Results 結果

The Onco-PDO™ report has been specially designed with physician input to deliver your test results, presenting the answer you need in a clear, concise way.

It will offer :

- i. Data of the potential effectiveness of available therapies for your cancer
- ii. Guidance on treatment strategies  
(Please note that the views of your oncologist must be consulted)

Onco-PDO™特邀醫生參與制定報告格式，清晰簡潔表述藥物檢測結果。報告結果將向醫生：

- i. 提示可供選擇的抗癌藥物之潛在成效  
(即您的腫瘤癌細胞對藥物的反應)
- ii. 提供治療方案指引  
(注意：必須諮詢您的腫瘤科醫生意見)

## What do we need from you ? 您需要提供什麼

Your tumour sample. It can be taken during a surgery or routine biopsy.

您的腫瘤樣本。可於手術或常規組織活體檢查(俗稱:抽組織)時採集。

How long will it take ?  
報告需時多久

Only 3 weeks  
只須 3 星期

## Contact Us 聯絡我們

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For details, please visit our website  
或瀏覽我們的網站，了解更多

[www.invitrocue.com](http://www.invitrocue.com)