

## PRODUCT DATA SHEET

CTIOncoKit®, *In vitro* cancer spheroids, Human, 96 well-plate.

Product sheet, catalog n° CTIONCOKIT.SA



Transport  
temperature  
2-8°C



Arrival storage  
temperature  
37°C



Biosafety  
level 1



This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

Use immediately upon arrival, place the plate at 37°C, 5% CO<sub>2</sub>.



Cancer medium should be stored at 2-8°C and is sensitive to light. Please keep in dark. Do not freeze the medium.

This kit contains : CTIOncoKit® plates, bottle of Cancer culture medium



### General Information

The product **CTIOncoKit®** from CTIBIOTECH™ contains an **advanced** ready to use solution to allow you to perform your tests on cancer spheroids.

The **CTIOncoKit®** is designed to improve accuracy and relance of preclinical oncology testing. This model is suitable for testing any product that may have an effect on cancer cells: Chemotherapy, hormonotherapy, etc.

Supplied immersed in 3D Culture plates and designed by CTIBIOTECH™, this product gives you access to a practical and easy-to-use study model for performing analysis on cancer spheroids.



## Tissue Characteristics

**Organism:** Human (Homo sapiens)

**Cells:** Cancer type/origin (please refer to certificate of analysis)

**Gender:** Male or Female (please refer to Certificate of Analysis)

**Age of sample:** (please refer to Certificate of Analysis)

**Sample Donor:** Caucasian, African, Asian (please refer to Certificate of Analysis)

**Product format:** 96 well-plate

**Specificities:** For specific requirements, refer to Certificate of Analysis

**Included Reagents:** One bottle of 125mL of Cancer growth culture medium per 96 well-plates. This is sufficient for 5 culture medium changes at a rate of 100-200  $\mu$ L per well. Additional volumes of Cancer medium can be purchased if necessary.



## Unpacking & Storage

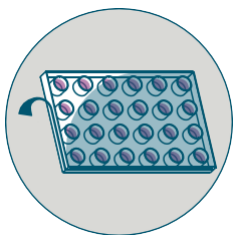
Check that the containers are intact and undamaged (no medium present in the sealing film, well formed/aggregate models and not floating as verified by microscopic examination, plates not cracked, etc...). The models must be cultured immediately upon receipt, in accordance with the attached protocol. Upon receipt of the cancer spheroids, the culture medium must be renewed, and the plates must be placed at 37°C with 95% of O<sub>2</sub> and 5% of CO<sub>2</sub> immediately upon delivery.

Consumables and reagents to be provided by the user: Standard cell culture equipment.



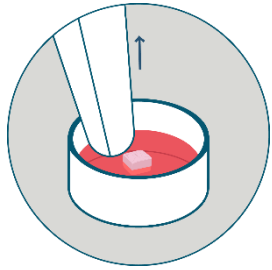
## Protocol – Contact us if you have any questions

Before using the plates for any research purpose, CTIBIOTECH™ recommends following the protocol below:

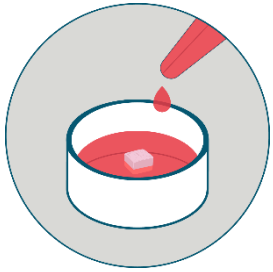


Carefully remove the grey box from the package. Remove the plates and the culture medium bottle. Remove the plastic film around the plates and the neck of the bottles. Remove the plastic film wrapped around the plates and the white sealer.

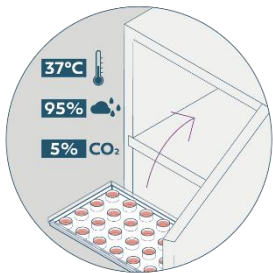
Under a clean and disinfected class II laminar flow safety cabinet, enter the plates and the culture medium containing the cells: spray the plates with 70% ethanol before introducing it under the hood. **Be sure to put the plates under sterile conditions before following next instructions.** Open the culture plate and carefully remove the transparent plastic film sealing the wells.



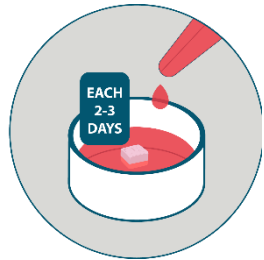
Upon receipt of the kit, the medium must be replaced. The culture medium must be aliquoted and used it prewarmed at room temperature (see Cancer product sheet). Observe the cancer spheroids under a microscope and take reference photos. Carefully remove all the medium from the wells using the edge of the well. Do not touch the base of the plate containing cancer spheroids to avoid damaging the culture. Perform this step using manual electronic mono or multi channel pipette.



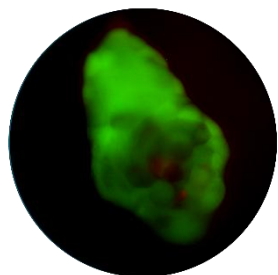
Carefully add on the walls of the wells, 1mL of Cancer medium on each well of the plate. **The medium must be prewarmed before use.** If the plate contains empty wells that have not been seeded, please fill them with 1 mL of PBS or any sterile liquid to prevent rapid and uneven evaporation.



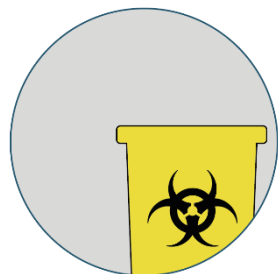
Place plates in the incubator at 37°C, 95% relative humidity and 5% CO<sub>2</sub>.



CTIBIOTECH™ recommends to change the CTIOncoKit® medium every 2-3 days. When replacing the medium, take care not to touch the models mat with the pipettes and cones used.



Spheroids can be cultured up to 7 days after receipt.



Used culture medium should be discarded following local procedures for human biological wastes.



## Safety & Quality control

**Biosafety level:** 1

**Contamination:** Use mandatory laboratory protections and handle with care tissues and cells derived from human samples to avoid any contamination of the operator.

**Temperature monitoring:** See temperature monitor.

**Viral testing:** Negative for HIV, HBV, HCV.

**Cell testing:** Negative for mycoplasma.

**Quality control:** Accreditation to ISO9001 standards.



## Recommended applications

**Type of analysis :** Biological, genomics, proteomics.

**Type of testing :** Basic ingredient, Active components, Toxicology, Chemotherapy, Efficacy.



Document Case Study



## Associated products

| PRODUCT NAME                                                | REFERENCE       |
|-------------------------------------------------------------|-----------------|
| CTIOncoKit®, In vitro 3D micro-tumors, Human, 96 well-plate | CTIONCOKIT.3DBP |
| Breast Dissociated Primary Tumor Cells                      | CTICC1.27-1M    |
| Ovary Dissociated Primary Tumor Cells                       | CTICC1.31-1M    |
| Pancreas Dissociated PDX Tumor Cells                        | CTICC1.35-1M    |
| Breast Associated Fibroblasts                               | CTICC1.29-1M    |