

“The Ex vivo kit from CTISkin® is a standardised and ready to use solution for your efficacy and safety tests. Collected just after the surgical intervention, we provide you with the freshest possible skin biopsies. According to the declaration of Helsinki, all skin samples are collected with donors informed consent and tested for HIV, HCV and HBC to ensure a negative serotyping. Provided with adapted culture medium, those biopsies can be used up to 11 days after the surgical resection. We can provide you regularly with fresh Ex Vivo skin.

Turnkey Solution For Preclinical Testing

Including



Insert for transport



CTISKIN® Reagent in 250-125-60 mL

Features

Weekly supply for recurrent testing projects

Customizable: Select your donor inclusion criteria*

- Localisation
- Phototype

- Age group
- Gender

Suitable for:

*production lead time may apply

Anti-pollution assay

Moisturizing assay

Revitalizing assay

Wound healing assay

Solar protection assay

Anti-inflammatory assay

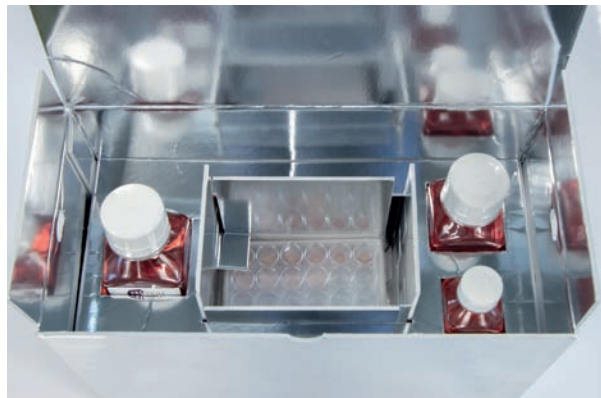
Kit content

Samples

- Up to 5 plates per donor
- 24 wells
- Recommended SOP

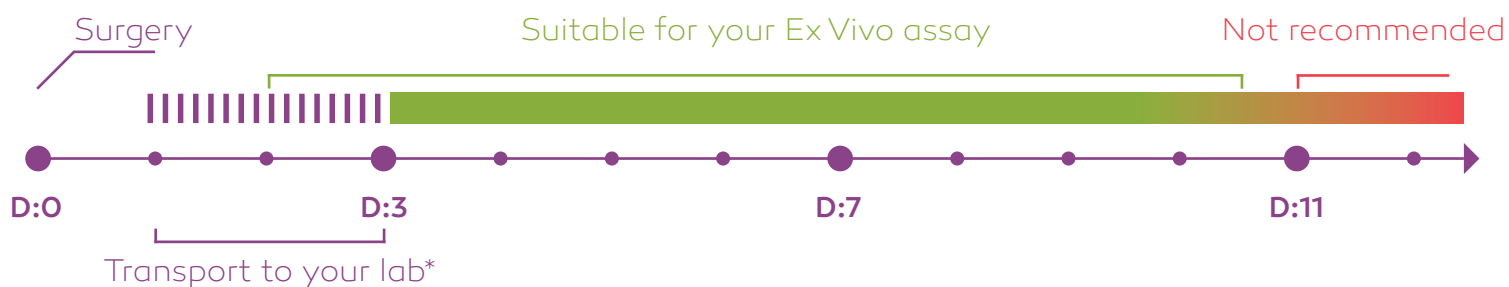
Culture media

- 250mL
- 125mL
- 60mL



Recommendations

Time to use



Protocol summary

Topical Product Application

Sterile gauze Product application Incubation

Systemic Product Application

Mixing solutions Add the mix Incubation



More information

*Depending on your geographical location

PRODUCT DATA SHEET

CTISkin-*Ex vivo* Adult Human Skin, Full Thickness, Fresh, Skin Disc, 12 mm Ø

Product sheet, catalog n° CTIEXVK.1



Storage temperature
2-8°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 within 24 hours upon arrival. Use immediately upon arrival, if not possible, store at 2-8°C for 24 hours maximum.



CTISKIN® Ex Vivo Reagent tissue culture medium should be stored at 2-8°C.



General information

The product **CTISkin® Ex vivo** from CTIBIOTECH provides a turnkey solution to allow you to carry out your tests on fresh ex vivo Human biopsies.

Taken directly after a surgical intervention and supplied fresh with culture media created by CTIBIOTECH, this product allows you access to a study model as close as possible to *in vivo* conditions.

The original tissues were collected after informed consent of the donor complying with French Laws regulations.



Tissu Characteristics

Organism: Human (Homo sapiens)

Tissue: Skin

Location: Abdomen or other body areas (see Certificate of Analysis)

Gender: Male or Female (see Certificate of Analysis)

Age: 18 to 99 years old (see Certificate of Analysis)

Phototype (Fitzpatrick scale): I to IV (see Certificate of Analysis)

Size of biopsies: 12mm Ø

Type of preparation: Fresh

Specificities: For specific requirements such as pathology, stretch mark, etc ...

(see Certificate of Analysis)

Ex Vivo Reagent: Tissue culture media. 60mL provided per 24 well plate. Sufficient for 5 media addition at 400-500µL per well (biopsy).

Additional volumes of CTISkin® ExVivo reagent can be purchased if necessary

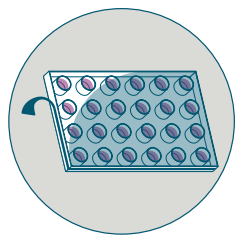
Unpacking & Storage

Check that the containers are intact and free of damage.

If tissue is not used immediately, place it at 2-8°C upon delivery.

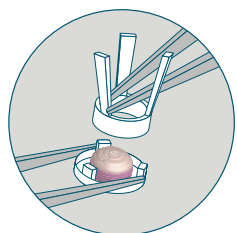
Protocol

Before using the skin biopsies for any research purpose, CTIBIOTECH recommends the following procedure :

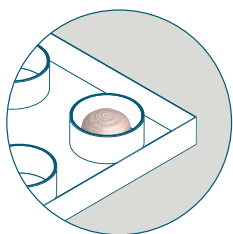


Carefully remove the grey box from the package. Remove the plates and the culture media bottles. Remove the plastic film around the plates and the neck of the bottles. Remove the white plastic film securing the lid to the plate.

Be sure to place the plates under sterile/aseptic conditions before following the next steps. Spray the packaged plates, the culture media bottles (CTISkin® ExVivo Reagent) with 70% ethanol (or your routine disinfection solution). Under a clean and disinfected class II laminar flow safety cabinet, open the culture plate and carefully remove the transparent plastic film sealing the wells. Prevent any transport insert coming out of the wells by holding the transport inserts using sterile forceps.



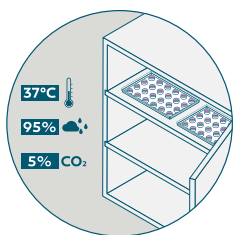
Place the provided transport inserts containing the skin disc in the bottom of a sterile culture plate or dish using sterile forceps. Using two sterile forceps, gently grasp the transport insert by the plastic surrounding the explant and place it in the bottom of a sterile petri dish.



CTIBIOTECH recommends using sterile culture inserts with a membrane mesh size of 74µM or a standard 24 well plate suitable for human tissue culture. Please make sure there is no air bubble under the culture inserts. Immediately place the explant in the center of a culture insert or culture well in the plate.



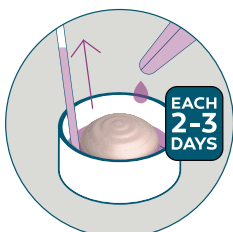
CTISkin® Ex Vivo Reagent medium should be stored between 2°C and 8°C. **BUT TAKE GREAT CARE TO** add the CTISkin® Ex Vivo Reagent medium to the samples at room temperature, using a sterile pipette. CTIBIOTECH recommends to use the supplied culture medium, additional volumes of CTISkin® ExVivo reagent can be purchased if necessary. The maximum volume of medium that can be added per well is relative to the depth of the insert and or the cell culture well format and the thickness of the skin and the thickness of the skin. For a standard 24-well plate, CTIBIOTECH recommends adding 400-500µL under the membrane, when using culture inserts, or 400-500µL at the bottom of the well, when using cell culture plates (without culture inserts). Be sure to maintain the air-liquid interface at the dermis-epidermis junction.



Upon culture set up, CTIBIOTECH recommends to leave the CTISkin® ExVivo skin biopsy at least 24 hours at 37°C, 95% relative humidity and 5% CO₂ supplemented atmosphere before use for product testing. CTIBIOTECH recommends to change the CTISkin® ExVivo Reagent medium prior to application of the products to be tested.



The biopsies can be used up to 11 days from the date of surgery (please refer to the Certificate of Analysis).



CTIBIOTECH recommends to change CTISkin® ExVivo Reagent medium every 2 to 3 days.



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

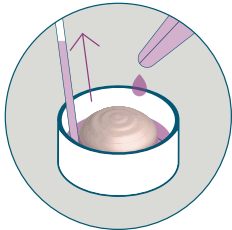
For **Topical Product Application**, follow **GUIDE 1**.

For **Systemic Product Application**, follow **GUIDE 2**.



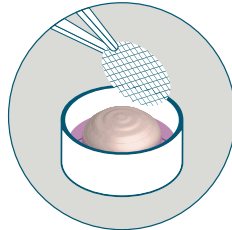
Guide 1: Topical Product Application

Perform all the following steps under aseptic conditions



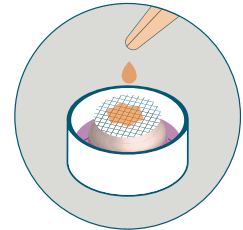
1

Change insert culture media



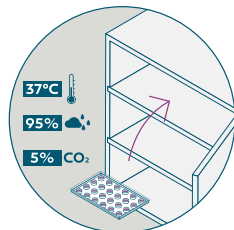
2

Place a sterile 10mm Ø gauze layer on the top of the explant



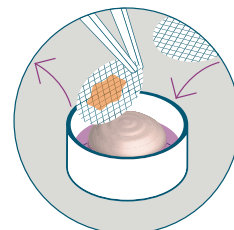
3

Apply 40 to 60 µL of testing product.



4

Replace the lid on the plate. Carefully transfer horizontally to the incubator.



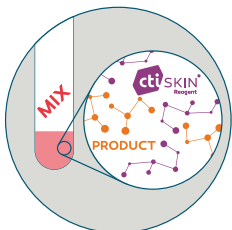
5

Change the sterile gauze for each product application.



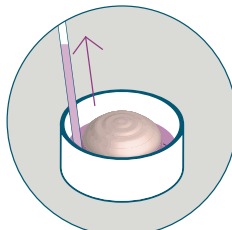
Guide 2: Systemic Product Application

Perform all the following steps under aseptic conditions



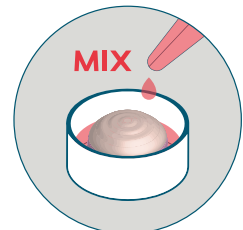
1

Mix the Ex Vivo Reagent with the testing product.
(Ensure solubility beforehand)



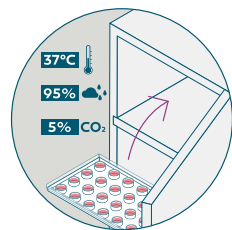
2

Remove the medium of the culture plate.



3






Add the mix to the well. Be sure to respect the air/liquide interface.



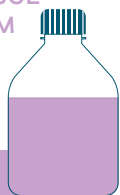
4

Replace the lid on the plate. Carefully transfer horizontally to the incubator.

Distibutor PRICES

	Cat N°C	Detailed Products	Size	Unit	PUBLIC Price per biopsy*	PUBLIC Price for CTISkin® ExVivo kit*	DISTRIBUTOR Price per biopsy*	DISTRIBUTOR Price for CTISkin® ExVivo kit*
 1 WELL PLATE	CTIEXVK.1.1	The kit includes: - 1 plate of 24 biopsies (12mm Ø) of Adult Human Skin, Full Thickness, Fresh, Skin Disc - 60mL of CTISkin® Ex Vivo Reagent for tissue culture	1	Plate	79 €	1 896 €	59 €	1 416 €
 2 WELL PLATES	CTIEXVK.1.2	The kit includes: - 2 plates of 24 biopsies (12mm Ø) of Adult Human Skin, Full Thickness, Fresh, Skin Disc - 120mL of CTISkin® Ex Vivo Reagent for tissue culture	2	Plate	77 €	3 696 €	57 €	2 736 €
 3 WELL PLATES	CTIEXVK.1.3	The kit includes: - 3 plates of 24 biopsies (12mm Ø) of Adult Human Skin, Full Thickness, Fresh, Skin Disc - 180mL of CTISkin® Ex Vivo Reagent for tissue culture	3	Plate	75 €	5 400 €	55 €	3 960 €
 4 WELL PLATES	CTIEXVK.1.4	The kit includes: - 4 plates of 24 biopsies (12mm Ø) of Adult Human Skin, Full Thickness, Fresh, Skin Disc - 240mL of CTISkin® Ex Vivo Reagent for tissue culture	4	Plate	74 €	7 104 €	54 €	5 184 €
 5 WELL PLATES	CTIEXVK.1.5	The kit includes: - 5 plates of 24 biopsies (12mm Ø) of Adult Human Skin, Full Thickness, Fresh, Skin Disc - 300mL of CTISkin® Ex Vivo Reagent for tissue culture	5	Plate	73 €	8 700 €	53 €	6 360 €

ADDITIONAL TISSUE CULTURE MEDIUM



	Cat N°C			PUBLIC Price for CTISkin® ExVivo kit*	DISTRIBUTOR Price for CTISkin® ExVivo kit*
CTISKIN® REAGENT	CTIGM.ExVivo.250	Growth Medium for Ex Vivo Skin Tissue Culture	250mL	150 €	90 €
	CTIGM.ExVivo.125	Growth Medium for Ex Vivo Skin Tissue Culture	125ml	90 €	54 €
	CTIGM.ExVivo.060	Growth Medium for Ex Vivo Skin Tissue Culture	60mL	60 €	36 €

*price for up to FIVE 24 well plates from one single donor.

All products are subject to availability. Production lead time may apply for prospective collection.

CTIBIOTECH does not guarantee that the listed products are in stock or available.

For information on upcoming productions, please email us at order@ctibiotech.com.