

PRODUCT SHEET

- 1. Intended Use:** This product is intended for preclinical research. It is not intended for any therapeutic or diagnostic use.
- 2. Storage Temperature:** -150°C or below
- 3. Biosafety level to be used while formulating: 1**
- 4. Description & Certificate of Analysis**

Product Information:

Product Name	TRANSKIN
Tissue Origin	Human Tissue
Special Handling	Minimize exposure to non-liquid nitrogen temperatures, especially room temperature transfers

Quality Testing & Results:

Test	Specification	Result
HIV	Negative	Negative
HbsAg	Negative	Negative
HCV	Negative	Negative
HTLV-1&2	Negative	Negative
CMV	Negative	Negative
Bio Burden - Sterility	Negative	Negative

Supporting Data:

Safety Data	Representative Final Product lots were found non-tumorigenic and non-toxic
Donor Specimen (DS)	This DS has met all release criteria including donor selection criteria, consent for umbilical cord blood donation, virus testing (HIV1/2, HBV & HBC)

General Information:

Organism	Homo sapiens, human
Tissue	Umbilical cord tissue
Biosafety level	2
Disease	Normal
Ethnicity	Indian
Product Format	Frozen

Safety Precaution

Recommending protective gloves, apron, face mask be worn when handling frozen vials.

5. Unpacking & Storage Instructions

- Check all containers for leakage or breakage.
- Remove the frozen vial from the dry ice packaging and immediately place at a temperature below 150°C, until ready for use.

6. Handling Procedure for Frozen Tissue

- Remove one vial at a time from storage and thaw the vial by gentle agitation in a 37°C water bath. Thawing should be rapid (1 to 2 minutes).
- Remove the vial from the water bath as soon as the contents are thawed, and decontaminate by dipping in or spraying with 70% ethanol under aseptic conditions.
- Remove the product from the vial using sterile forceps and place it immediately in the appropriate cell culture medium.
- Now use the tissue as per SOP for desired work.

7. Human Material Precaution

All tissues used for isolation are obtained under informed consent and concerned ethics to conform to handling biological samples standards; to protect the privacy of the donor's personal health information.

8. Transtoxbio Warranty

The viability of the product is warranted for 25 days from the date of shipment, and is valid only if the product is stored and handled according to the information included in the product sheet.

9. Disclaimer

- This product is intended for preclinical research purposes only and not for use in humans, while Transtoxbio uses realistic efforts to include support information on this product sheet, makes no warranties or representations as to its accuracy.
- This product is sent with the condition that you are responsible for its safe storage, handling, and use. Transtoxbio is not liable for any damages or injuries arising from receipt and/or use of this product.

10. Application Notes

TRANSKIN is an invitro human tissue model composed of multi layers (upper squamous epithelial layer, followed by glycogen rich metabolically active stroma with stellate cells). Arterial and venous connections are structured below epidermal like upper layer. Recommended for, Exploratory - Evaluating toxicity of topical excipients, cosmetics; Tissue permeability studies; Chemical induced allergy, corrosion, irritation tests; Effect on Whole tissue toxico genomics.