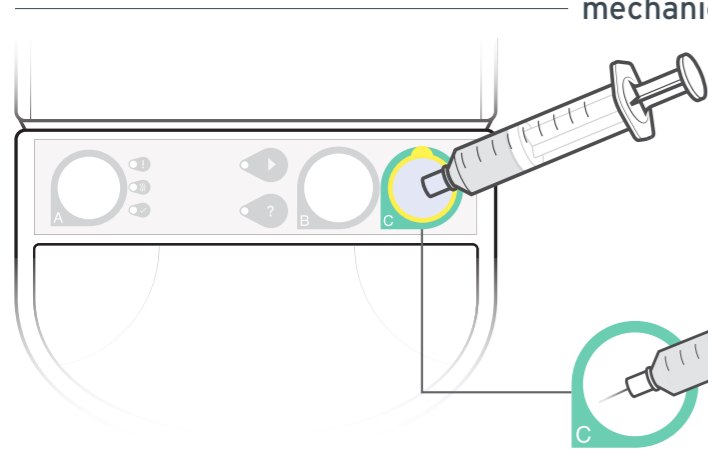


mechanical processing

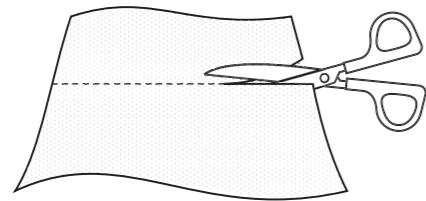


16 FILTER SUSPENSION

Dispense the unfiltered suspension through the cell strainer in Well C
Set aside the UNFILTERED SUSPENSION syringe in sterile field for later use
If processing 3 or 4 samples, replace filter

17 DRAW UP SPRAY-ON SKIN™ CELLS

Locate a clean syringe from C Tray labeled SPRAY-ON SKIN CELLS
Apply needle to syringe
Remove cell strainer and tap over Well C
Draw up the Spray-On Skin Cells from the conical bottom of Well C
Set aside until ready for application
Follow steps 14 - 17 to prepare additional Spray-On Skin Cells from remaining skin samples



18 PREPARE DRESSINGS

Cut primary dressings
Affix to lower aspect of the wound

deliver Spray-On Skin Cells

19 APPLY SPRAY-ON SKIN CELLS

Invert syringe several times
Spray Application: Must have at least 2 ml of cells in the syringe
Connect nozzle (located in C Tray) to syringe, check that spray nozzle faces the wound. Hold approximately 10 cm from the most elevated point of the wound and spray
Drip Application: When applying less than 2 ml of cells, do not remove syringe from the needle. Starting from the most elevated aspect of wound, drip cells onto the wound



20 APPLY DRESSINGS

Apply primary dressing (e.g., Telfa™ Clear) and secondary dressings
Secure dressings with outer bandages
For Aftercare Instructions refer to SPRAY-ON SKIN CELLS: Dressing Guidelines for the Healthcare Professional

IMPORTANT SAFETY INFORMATION

INDICATIONS FOR USE: The RECELL Autologous Cell Harvesting Device is indicated for the treatment of thermal burn wounds and full-thickness skin defects. The RECELL Device is used by an appropriately licensed and trained healthcare professional at the patient's point of care to prepare autologous Spray-On Skin Cells for direct application to acute partial-thickness thermal burn wounds in patients 18 years of age and older, or application in combination with meshed autografting for acute full-thickness thermal burn wounds in pediatric and adult patients and full-thickness skin defects after traumatic avulsion (e.g., degloving) or surgical excision (e.g., necrotizing soft tissue infection) or resection (e.g., skin cancer) in patients 15 years of age and older.

CONTRAINDICATIONS: RECELL is contraindicated for the treatment of wounds clinically diagnosed as infected or with necrotic tissue present in the wound bed. RECELL is contraindicated for: the treatment of patients with a known hypersensitivity to trypsin or compound sodium lactate (Hartmann's) solution, patients having a known hypersensitivity to anesthetics, adrenaline/epinephrine, povidone-iodine, or chlorhexidine solutions.

WARNINGS: Autologous use only. Control infections on wounds prior to application of the cell suspension. Excise the necrotic tissues on wound bed prior to application of the cell suspension. Wound beds treated with a cytotoxic agent (e.g., silver sulfadiazine) should be rinsed prior to application of the cell suspension. RECELL is provided sterile and is intended for single-use. Do not use if packaging is damaged or expired. Choose a donor site with no evidence of cellulitis or infection and process skin immediately. A skin sample should require between 15 and 30 minutes contact with Enzyme. Contact in excess of 60 minutes is not recommended. RECELL Enzyme is animal derived and freedom from infectious agents cannot be guaranteed.

PRECAUTIONS: RECELL is not intended for use without meshed autograft for treatment of acute full-thickness burn wounds or full-thickness skin defects after traumatic avulsion (e.g., degloving) or surgical excision (e.g., necrotizing soft tissue infection) or resection (e.g., skin cancer). The safety and effectiveness of RECELL without meshed autograft have not been established for treatment of partial-thickness burn wounds: on the hands and articulating joints >320cm², in patients with wounds totaling >20% total body surface area (TBSA). The safety and effectiveness of RECELL with autografting have not been established for treatment of full-thickness burn wounds in patients younger than 28 days of age (neonates). The safety and effectiveness of RECELL plus autografting have not been established for application in combination with meshed autografting on full-thickness skin defects after traumatic avulsion (e.g., degloving) or surgical excision (e.g., necrotizing soft tissue infection) or resection (e.g., skin cancer) on the hands and genitalia.

SPECIAL PATIENT POPULATIONS: The safety and effectiveness of RECELL have not been established for treatment of acute thermal partial-thickness burn wounds in pediatric patients younger than 18 years of age. For complete Important Safety Information, refer to Instructions for Use.

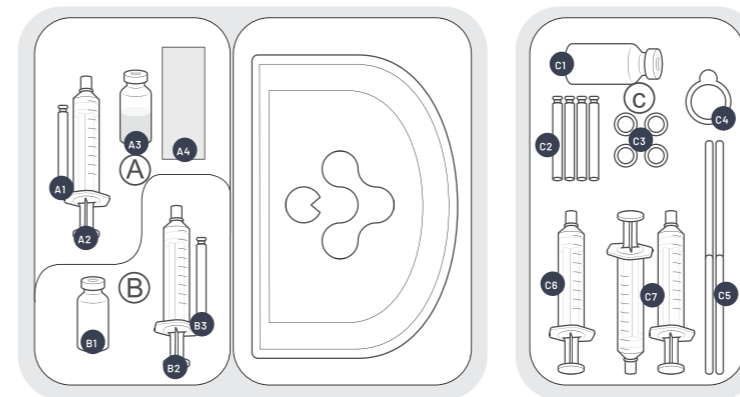
INSTRUCTIONS FOR USE: Consult the Instructions for Use prior to using RECELL. The Instructions for Use can be located at avitamaterial.com.



RECELL® Autologous Cell Harvesting Device



Procedure Guide



- | | | | |
|------------------------|----------------------------|----------------------|------------------------------------|
| A1 Blunt needle | B1 10 ml buffer vial | C1 30 ml buffer vial | C5 Scalpels x2 |
| A2 10 ml syringe | B2 Buffer syringe | C2 Blunt needles x4 | C6 Unfiltered suspension syringe |
| A3 10 ml sterile water | B3 Blunt needle | C3 Spray nozzles x4 | C7 Spray-On Skin™ Cells syringe x4 |
| A4 Enzyme housing | Syringe labels (not shown) | C4 2nd cell strainer | |
- Processing Unit

1 PREPARE STERILE FIELD

Remove Telfa™ Clear Dressings and Procedure Guide from the box and place in non-sterile area

A/B/Processing Unit Tray and C Tray: Peel off lid from the outer non-sterile tray

Starting with C Tray, transfer both sterile trays to the sterile field
Once in the sterile field, remove tear off lid from A/B/Processing Unit Tray

Remove clear retainer from the A/B/Processing Unit Tray starting from the upper left corner



Enzyme: Remove pouch from outer box
Transfer Enzyme to sterile field
Place Enzyme Vial within housing in A/B Tray

Additional sterile items needed: Forceps, Marker and Ruler

Set up Processing Unit

2 PERFORM A SELF-TEST

Remove Processing Unit from the tray, open lid, place labels in sterile field. Press (?) button.
All lights by Well A will illuminate.



(!) or no light = Processing Unit failure, use another unit



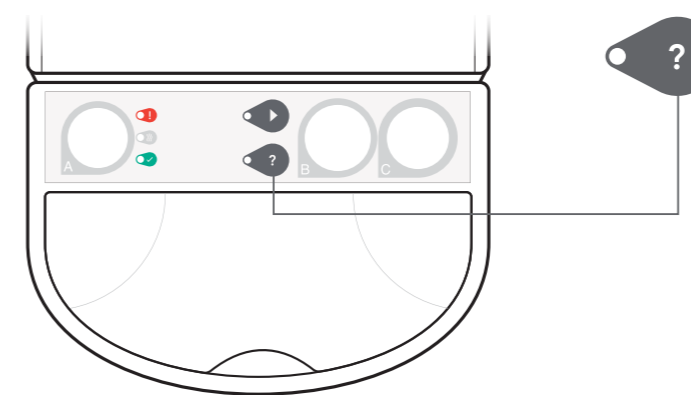
Ready (✓) light = Self-test successful



Do not press the flashing run button at this time



Processing Unit will turn off after 1 minute without use



3 PREPARE WELL A

Use syringe and needle in A Tray to add 10 ml of sterile water to Enzyme (DO NOT USE Buffer)

Mix gently until dissolved (DO NOT SHAKE)

Dispense entire volume of Enzyme into Well A

Discard syringe and needle

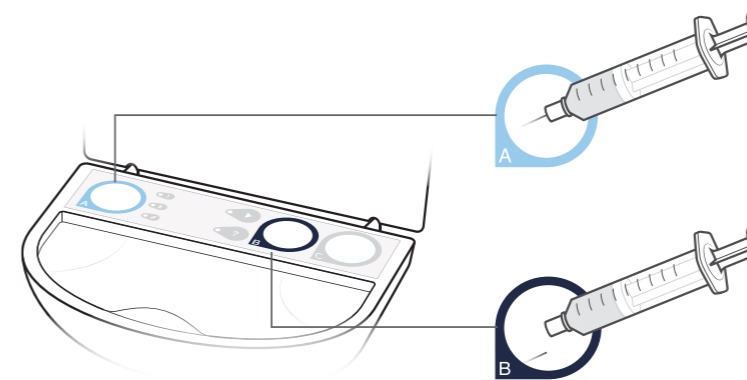
4 PREPARE WELL B

Label syringe in B Tray with BUFFER label

Use syringe and needle in B Tray to draw up 10 ml buffer (Use only for intended purpose and keep sterile)

Dispense 10 ml of buffer into Well B

Set aside BUFFER syringe and needle in sterile field. This will be used multiple times to prepare Spray-On Skin Cells later in procedure. Discard A/B/Processing Unit Tray.



harvest skin sample(s)

Treatment Area	Skin Sample Size
up to 80 cm ²	1 cm x 1 cm (1 cm ²)
Up to 160 cm ²	2 cm x 1 cm (2 cm ²)
Up to 320 cm ²	2 cm x 2 cm (4 cm ²)
Up to 480 cm ²	3 cm x 2 cm (6 cm ²)
Up to 960 cm ²	2 ea. 3 cm x 2 cm (12 cm ²)
Up to 1440 cm ²	3 ea. 3 cm x 2 cm (18 cm ²)
Up to 1920 cm ²	4 ea. 3 cm x 2 cm (24 cm ²)

5 HARVEST SKIN

The donor site should be clean, of appropriate depth, and show no evidence of surrounding inflammation or infection

If desired, infiltrate the subcutaneous tissue with a tumescent solution of choice

The donor site area may be lubricated (e.g., sterile mineral oil) to ease travel of dermatome

Harvest thin skin graft at 0.006-0.008 inch (or 0.15-0.20 mm)




enzymatic processing

6 CONFIRM ENZYME IS IN WELL A

7 ENSURE SKIN SAMPLE IS AVAILABLE

PRESS RUN BUTTON TO HEAT ENZYME


A self-test will automatically run if >1 minute has passed since the last self-test

-  Processing Unit failure, use another unit
-  Warming (~ 3 minutes)
-  Target temperature reached

8 INCUBATE SKIN SAMPLE(S)

When target temperature is reached, place 1 or 2 skin sample into Well A

Do not incubate more than 2 6 cm² skin samples at a time

 Incubate for 15 minutes

9 PREPARE C TRAY

Peel off lid and remove clear retainer

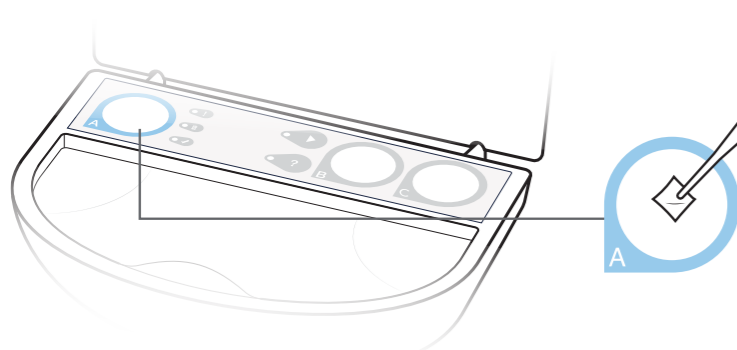
Apply UNFILTERED SUSPENSION label to the single placed 10 ml syringe

Apply SPRAY-ON SKIN CELLS labels to the 4 remaining 10 ml syringes

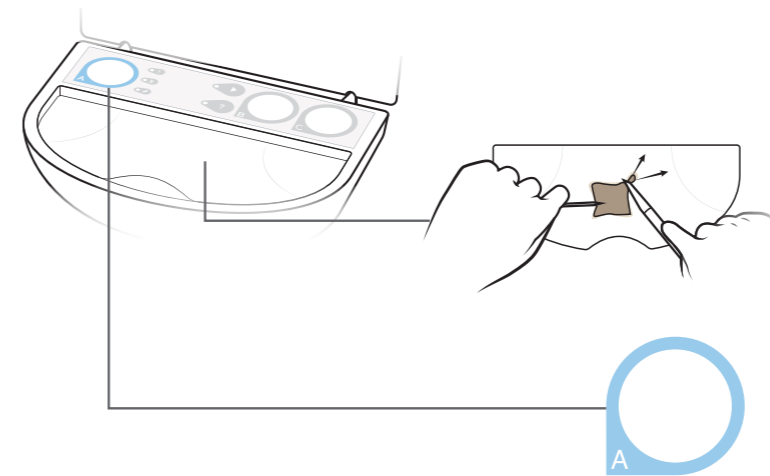
10 PREPARE BUFFER

Using the syringe labeled BUFFER, located in the sterile field, draw up the required volume from the 30 ml buffer vial in C Tray

Set aside in the sterile field



Skin Sample Size	Starting Volume of Buffer	Approximate Resultant Spray-On Skin™ Cells Volume
1 cm x 1 cm (1 cm ²)	1.5 ml	1.0 ml
2 cm x 1 cm (2 cm ²)	2.5 ml	2.0 ml
2 cm x 2 cm (4 cm ²)	4.5 ml	4.0 ml
3 cm x 2 cm (5 cm ²)	6.5 ml	6.0 ml



11 TEST SCRAPE

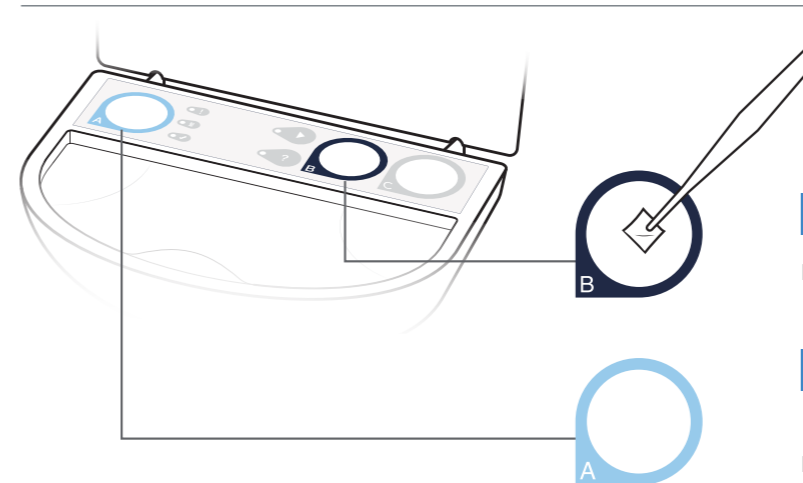
Remove one skin sample from Well A and place on tray dermal side down

Use scalpel from C Tray to scrape and forceps to anchor. Scrape edge of skin sample to test if cells separate easily. If cells separate freely, proceed to step 12

If cells don't separate, return sample back to Well A



Incubate for 5-10 minutes. Repeat test scrape



12 RINSE SKIN SAMPLE(S)

Place enzymatically processed skin sample(s) into Well B

13 INCUBATE ADDITIONAL SAMPLE(S)

Place enzymatically processed skin sample(s) into Well B



Incubate for 5-10 minutes. Repeat test scrape

Return to step 10 for 3rd and 4th skin samples

mechanical processing

14 SCRAPE SKIN SAMPLE

Remove one skin sample from Well B and place on the tray dermal side down

Apply 2-3 drops of buffer from prepared syringe labeled BUFFER

Using forceps, anchor the skin sample

Using the scalpel, scrape the epidermis away from the dermis, starting from the edge

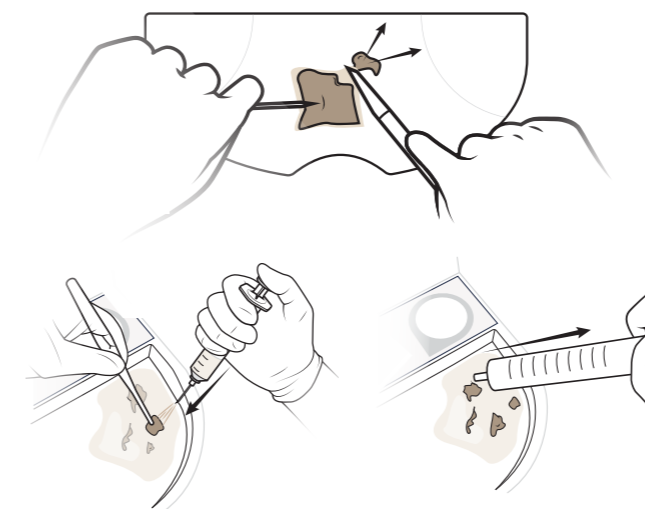
Once the epidermis has been removed, scrape the remaining dermis vigorously until nearly disintegrated

15 RINSE TRAY AND DRAW UP CELL SUSPENSION

Using the remaining buffer in the BUFFER syringe, rinse the scalpel and forceps into the tray and collect entire suspension into one dipped corner

Locate a clean syringe from C Tray labeled UNFILTERED SUSPENSION (An attached needle is not required)

Using the UNFILTERED SUSPENSION syringe, collect and draw up the cell suspension. Using this suspension, rinse the tray and repeat as required to maximize cell collection. Once the tray is rinsed several times, draw up all the cell suspension into the syringe.



Rinsing the tray several times is essential for maximizing cell collection.