mechanical processing

FILTER SUSPENSION 16

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

APPLY SPRAY-ON SKIN CELLS 19

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

APPLY DRESSINGS 20

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.

All other trademarks are the properties of their respective owner

AW-LBLSPEC231REV13

PRECAUTIONS: RECELL is not intended for use without meshed autograft for treatment 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, in the starting 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

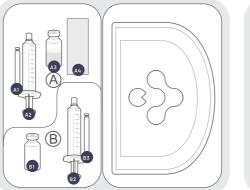
SPECIAL PATIENT POPULATIONS: The safety and effectiveness of RECELL have not been established for treatment of acute thermal partial-thickness burn wounds in pediatric patients younger than 18 years of age. For complete Important Safety Information, refer to Instructions for Use.

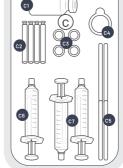
INSTRUCTIONS FOR USE: Consult the Instructions for Use prior to using RECELL The Instructions for Use can be located at avitamedical.com

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RECELL® Autologous Cell Harvesting Device Procedure Guide



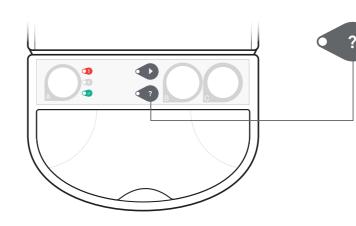


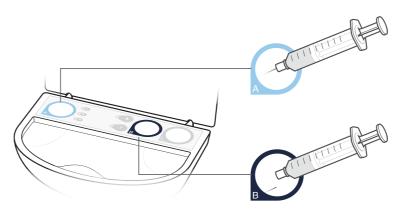
A1	Blunt needle	B1 10 ml b	uffer vial	
Α2	10 ml syringe	B2 Buffer	syringe	
A3	10 ml sterile water	B3 Blunt n		
	Walei	Syringe lab	els	
A4	Enzyme housing	(not showr	iot shown)	
		Processing	Unit	

C1 30 ml buffer vial C5 Scalpels x2 C2 Blunt needles x4 C6 Unfiltered suspension C3 Spray nozzles x4 syringe C4 2nd cell strainer

C7 Spray-On Skin™ Cells syringe x4

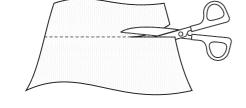
Set up Processing Unit











D





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

PERFORM A SELF-TEST 2

- 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 (\checkmark) light = Self-test successful



Do not press the flashing run button at this time

Processing Unit will turn off after 1 minute without use

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

PREPARE WELL B 4

- 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)

HARVEST SKIN 5

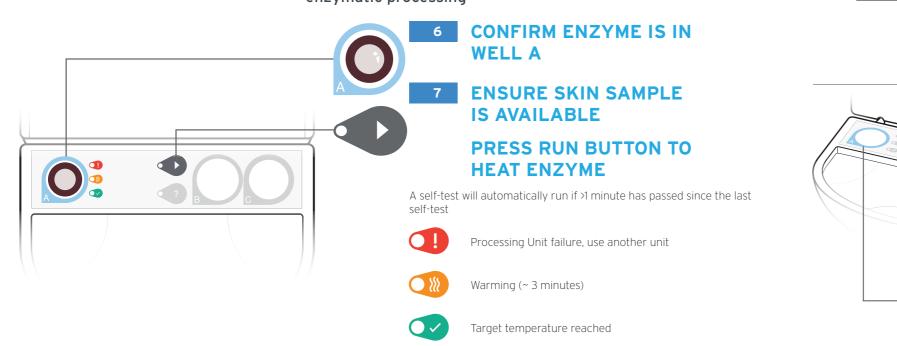
The donor site should be clean, of appropriate depth, and show no evidence of surrounding inflammation or infection

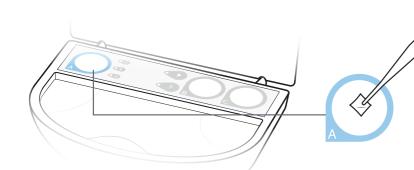
If desired, infiltrate the subcutaneous tissue with a tumescent solution of choice

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





of Buffer

1.5 ml

2.5 ml

4.5 ml

6.5 ml

Skin Sample

Size

1 cm x 1 cm

(1 cm²)

2 cm x 1 cm

(2 cm²)

2 cm x 2 cm

(4 cm²)

3 cm x 2 cm

(6 cm²)

Starting Volume Approximate Resultant Spray-On

Skin Cells Volume

1.0 ml

2.0 ml

4.0 ml

6.0 ml

INCUBATE SKIN SAMPLE(S) 8

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

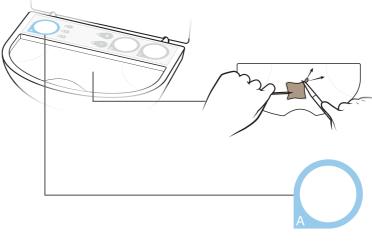
Peel off lid and remove clear retainer

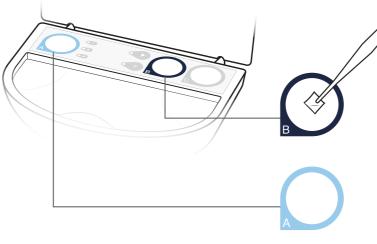
Apply UNFILTERED SUSPENSION label to the single placed 10 ml syringe

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

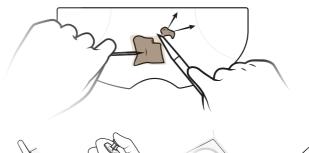
10 PREPARE BUFFER

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





mechanical processing





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

TEST SCRAPE 11

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



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

SCRAPE SKIN SAMPLE 14

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

RINSE TRAY AND DRAW UP 15 **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.