ProChondrix CR
Living cartilage allograft
Competitive advantage

ProChondrix CR is a cryopreserved, viable and intact osteochondral allograft consisting of living cells and native growth factors inherent within an extracellular matrix. A proprietary cryoprotectant method developed for ProChondrix CR allows for the living osteochondral allograft to have an extended shelf life without compromising cell viability. ProChondrix CR is a single-stage, natural solution for patients in need of articular cartilage repair.

Integration

• Laser etched on deep side to enhance cell signaling and chondrocyte migration

• Residual boney matrix contains osteoblasts

Cell viability

• Proprietary cryopreservation method maintains original composition of fresh ProChondrix

• Average cell viability count for ProChondrix CR was found to be 94% at two years

Convenience

• 2-year shelf life for cryopreserved ProChondrix CR

• Stocking orders available

• Stored at or below -40°C

Sizing options

11 13 15 17 20

Actual Sizes
Sizes are in millimeters

High cell viability

The presence of viable cells (chondrocytes) is important for the regeneration of cartilage. A high viability of chondrocytes in allografts (≥70%) is generally associated with a higher rate of successful clinical outcome when compared to grafts with a cell viability of less than 70%.

Customized instrumentation corresponding to each size graft for streamlined defect creation.

**Sizers**

- Pre-sized for defects 11mm—20mm

**Core and reamer**

- Controlled site prep
- Exposed boney surface
- Vertical wall
- Microfracture optional

- 1mm margin
- Etched surface and boney matrix facedown for integration

**Site preparation**

Von Kossa staining of ProChondrix displayed the presence of calcium deposition within its matrix, indicating that ProChondrix may be conducive to osteoblast progenitor growth and differentiation.6

**Figure A.** A full thickness cross section of a 1mm ProChondrix graft (4x magnification) with Von Kossa stain for mineral deposition.

**Figure B.** Same sample at higher magnification (40x).

**Mineralization of ProChondrix allografts**
### References

1. AlloSource Ref: 03618
2. AlloSource Ref: 17-115
3. DHFD13688 Rev A 2018

### Sports Medicine

This document is intended solely for the use of healthcare professionals. A surgeon must always rely on his or her own professional clinical judgment when deciding whether to use a particular product when treating a particular patient. We do not dispense medical advice and recommend that surgeons be trained in the use of any particular product before using it in surgery.

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