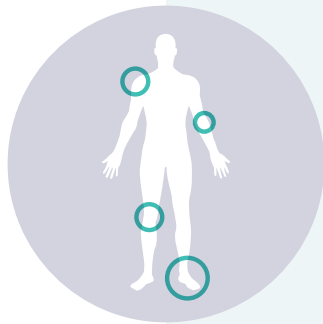


# AN EXCELLENT REPAIR OPTION FOR LIGAMENT PROCEDURES

JRF Ortho provides everything the surgeons want for their tendon needs



## COVERS ALL PROCEDURES

- ▶ Knee
- ▶ Shoulder
- ▶ Foot / Ankle
- ▶ Elbow



QUADRICEPS TENDON

## ALL THE GRAFT OPTIONS

- ▶ Soft tissue allografts
- ▶ Pre-shaped
- ▶ Bone-tendon-bone
- ▶ Small joint

## WHAT JRF ORTHO TENDONS ARE AVAILABLE?

See the latest variety of allograft tendons and ligaments, readily available below.

## ADVANTAGES OF ALLOGRAFT TENDONS

- ✓ Requires less surgical time
- ✓ Allows the patient to avoid donor site morbidity
- ✓ Smaller incisions
- ✓ Availability of larger grafts
- ✓ Early post-operative discomfort and pain is minimized

**Bone tendons**  
(pre-shaped bone available)

**Achilles tendon**  
**Patella ligament**

**Quadriceps Tendon**  
**Non-bone tendons**  
(single, double, and quadruple strand configurations)

**Tibialis tendon**  
**Peroneus Longus tendon**  
**Semi-tendinosus tendon**  
**Gracilis tendon**



# SAFETY, TISSUE INTEGRITY & STERILIZATION

## ADVANCED CLEANSING TECHNOLOGIES CLEANSE WHILE PRESERVING TISSUE INTEGRITY

Tissue integrity is maintained with consistent processing, monitored temperature and limited reagent exposure.

**Our processors' use a proprietary bioburden reduction step that removes blood and lipids.**

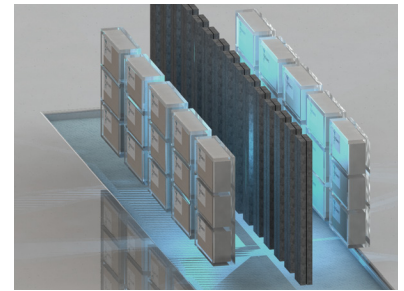


## TERMINAL STERILIZATION WITHOUT COMPROMISING TISSUE PERFORMANCE

Recent studies show ultra-low dose, low-temperature irradiation does not impact the integrity of tissue and post-transplant failure rates.<sup>1,2</sup>

JRF Ortho distributes ultra-low dose (9.5–15 kGy), low-temperature irradiated tendons that are used to obtain a Sterility Assurance Level (SAL) of 10<sup>-6</sup>.

**Our processors are pioneers in ultra-low dose radiation sterilization for allograft tissue.<sup>3</sup>**



## MAXIMIZING SAFETY WHILE PROVIDING QUALITY TENDONS

Working in a controlled environment with patented processes and ultra-low dose, low-temperature sterilization, our processors' skilled technicians deliver safe, high quality tendons.

**Utilizing highly sensitive NAT testing, has resulted in no confirmed incidence of disease transmission.**

### Regulatory Compliance

- ✓ FDA
- ✓ CLIA
- ✓ AATB
- ✓ ISO

1. McGilvray KC, Santoni BG, Turner AS, Bogdanský S, Wheeler DL, Puttitz CM. The effects of 60Co gamma radiation dose on initial structural biomechanical properties of ovine bone-patellar tendon-bone allografts. Cell and Tissue Bank. 2011. (12):89-98.

2. Block JE. The impact of irradiation on the microbiological safety, biomechanical properties, and clinical performance of musculoskeletal allografts. Orthopedics. 2006. (11):991-6.

3. TIR37:2007: Sterilization of Health Care Products – Radiation – Guidance on Sterilization of Human Tissue-Based Products.

► **PICK YOUR SPECIFIC TENDON USING THE JRF APP OR ONLINE AT [JRFORTHO.org/order](http://JRFORTHO.org/order)**

## TO ORDER

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