The MTF Quality Method

MTF Musculoskeletal Transplant Foundation
the better approach
All allograft tissue is the same. Isn’t it?

Actually, you’d be very surprised.

There are national standards for tissue banks, set by the AATB and FDA. But they set only a minimal baseline for the industry. Beyond the basics, most regulations are left to interpretation. As a result, tissue quality, consistency and performance can change—drastically—from bank to bank.

The real question is, how do you get safe allografts, without sacrificing quality?

The simple answer is MTF.

MTF’s process—in its entirety—is centered on bringing you the highest quality tissue available in the industry. Our standards, set by a medical board of trustees from the world’s finest healthcare institutions, exceed those set by the AATB and FDA.

Creating and meeting the industry’s highest standards is not easy. It’s an approach, and commitment, that takes place in every step of the process—from donor selection to delivery. You won’t find a more comprehensive, thorough, medically founded process than ours.

We invite you to see for yourself...
MTF accepts less than 3% of potential donors.

**Why?**

1. **10 million Americans** suffer from osteoporosis, which is responsible for more than 2 million fractures per year.¹

2. Over a lifetime, a woman loses approximately 35% of her cortical bone and 50% of her trabecular bone.²

3. People being treated for end-stage renal disease with hemodialysis are 17 times more susceptible to fracture.³

4. Tendon and ligament laxity occurs in 74% of patients undergoing hemodialysis.⁴

5. During the first year of steroid treatment, bone loss amounts to 4% to 8%.⁵

The decision to accept or defer a donor with these conditions is at the discretion of each individual tissue bank.

MTF is the only tissue bank to use The VanGuard Method™ to customize final tissue pathway.

By employing this state-of-the-art test method, MTF is able to avoid harsh processing and sterilization techniques.

The VanGuard Method™ far exceeds the industry standard and is defined by the following characteristics:

- Direct tissue testing
- Qualitative and quantitative assessment
- Close representation of final graft form
- Highly reproducible
- Highly accurate
100% Aseptic Processing

Depending on the results of the VanGuard Method™, a validated pathway is selected to ensure sterility.

Aseptic: Donor tissue with results that comply with aseptic parameters is sent down this pathway.

Aseptic with treatment: Low dose gamma radiation is used on some tissues (bulk form) prior to processing.

Not all biological tissues are the same and neither are the processing methods they require.

Soft Tissue:
MTF believes in minimal processing to maintain the biomechanical integrity and biochemistry of every graft. Recent clinical data suggests equivalence between MTF soft tissue allografts and autografts for ACL reconstruction, and demonstrates no difference in outcome between younger and older patients.

Demineralized Bone:
It is well documented that certain processing and sterilization techniques can impair the osteoinductivity of DBM. MTF’s validated process preserves the biological integrity of the tissue and terminal radiation is never used.

Dermal Tissues:
Harsh chemical processing and various methods of sterilization have detrimental effects on the material properties of dermal tissues. MTF dermal tissues are processed using techniques that yield grafts that mimic native tissue and meet sterility standards.
MTF offers a broad tissue portfolio and extensive inventory.

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All MTF tissues undergo a series of review steps prior to release.

- ✔ Final sterility results
- ✔ Three levels of tissue specification verification
- ✔ Final donor chart review
- ✔ Processing documentation verification
- ✔ Processing suite environmental verification
- ✔ Packaging/labeling final verification
- ✔ Frequent internal audits
References:


