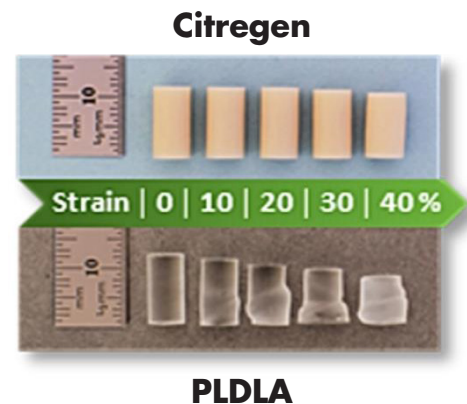


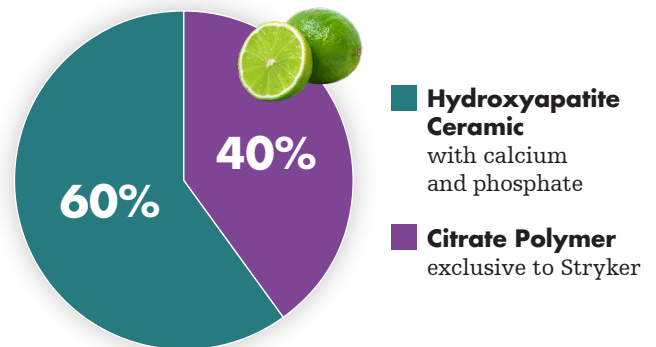
# Citregen® fast facts

**Stable. Biomimetic. Resorbable.**

- Citregen is a polymer/bioceramic composite material that contains citrate, calcium, and phosphate.<sup>1</sup>
- Controlled and predictable resorption which prevents bulk degradation and chronic inflammation.<sup>1</sup>
- Works in harmony with the natural healing process of the surrounding tissues.<sup>1</sup>
- Designed to mimic the chemistry and structure of native bone.<sup>1</sup>
- Citrate incorporation is necessary for optimal bone regeneration.<sup>3</sup>



**Figure 1.** Citregen vs. PLDLA elasticity testing.<sup>2</sup> Citregen structure provides elasticity and recovery from compressive loads that cause thermoplastics to permanently deform.<sup>4</sup>



**Figure 2.** Graph displaying make-up of Citregen.<sup>1</sup>

## Foot & Ankle

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### References:

1. FDA 510(k) K200725
2. Data on file at ATI
3. Costello LC, Chellaiah M, Zou J, Franklin RB, Reynolds MA. The status of citrate in the hydroxyapatite/collagen complex of bone; and its role in bone formation. *J Regen Med Tissue Eng.* 2014;3:4. doi: 10.7243/2050-1218-3-4. PMID: 25745562; PMCID: PMC4346339.
4. Jian Yang, Antonio R. Webb, Samuel J. Pickerill, Gretchen Hageman, Guillermo A. Ameer. Synthesis and evaluation of poly(diols citrates) biodegradable elastomer. *Biomaterials* 2006;27: 1889-1898

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CITE-FL-1, 09-2022

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