



rDBM[®] processed by a 4.0 advanced manufacturing made of full automation with robots

100% Reproducible

- No variation of growth factor content between batches
- Reproducible particles size

100% Safe

- No risk of cross-contamination:
- Fully sterile : Bacteria & Virus inactivation
- Sterilization by Gamma irradiation
- Full biocompatibility
- An innovating automated process

100% Pure

- Optimal demineralization
- >100 times higher osteoinductive proteins

100% Bioactivity

- More powerful than BMP-2
- Osteoinduction by endochondral ossification

Bone graft materials and synthetic substitutes : properties comparison table

		Material source	Human	Human	Synthetics
		Bone graft Properties material	rDBM [®]	DBM Classic	BMP
Biological	Bioactivity	Osteoconduction	3/3	1/3	no
		Osteoinduction	3/3	variable	3/3
		Angiogenesis	3/3	variable	no
	Bio Safety	Biocompatibility	3/3	2/3	2/3
		Bioresorbable	3/3	3/3	3/3
		Non immunogenic	3/3	3/3	2/3
		No risk of disease transmission	3/3	2/3	3/3
		Sterility	3/3	2/3	3/3
		No inflammation risk	3/3	2/3	1/3
		Structural	Porosity and distribution	2/3	1/3
Economical	Readily available	3/3	3/3	limited	
	Ease-of-use	3/3	3/3	controversial	
	Cost effectiveness	3/3	3/3	not proven	
	Long term proof efficacy	expected	1/3	controversial	

Source : - Sohn and Oh Biomaterials Research 2019 - <https://doi.org/10.1186/s40824-019-0157-y>
 - Timothy T. Roberts and Andrew J. Rosenbaum 2012 - <http://dx.doi.org/10.4161/org.23306>