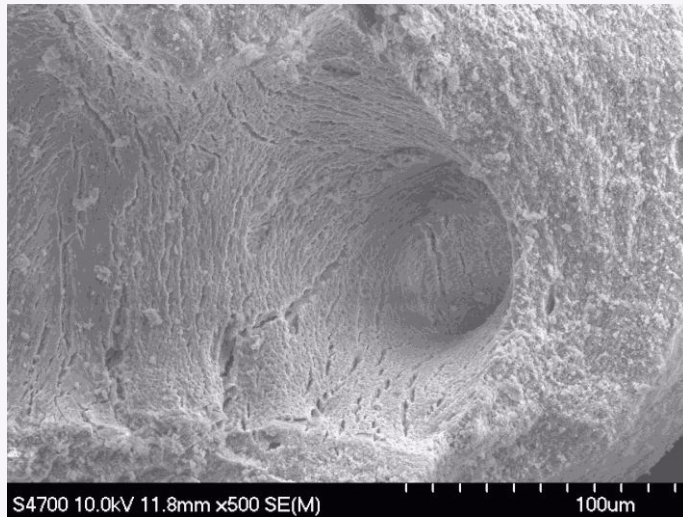
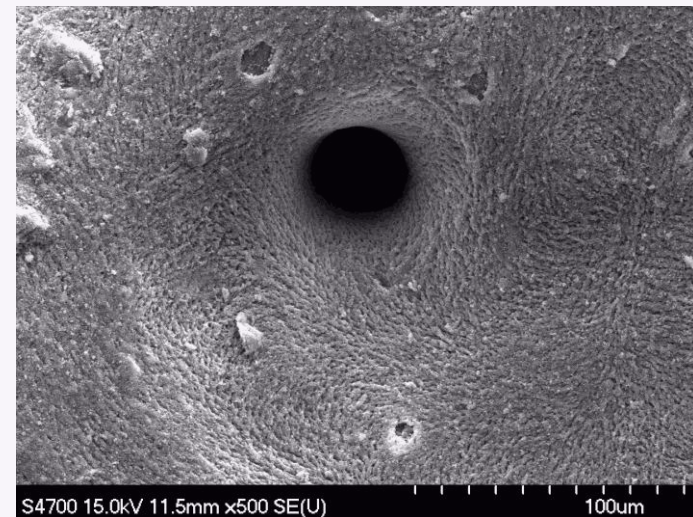


Mesopore Structure Comparison

InterOss[®]

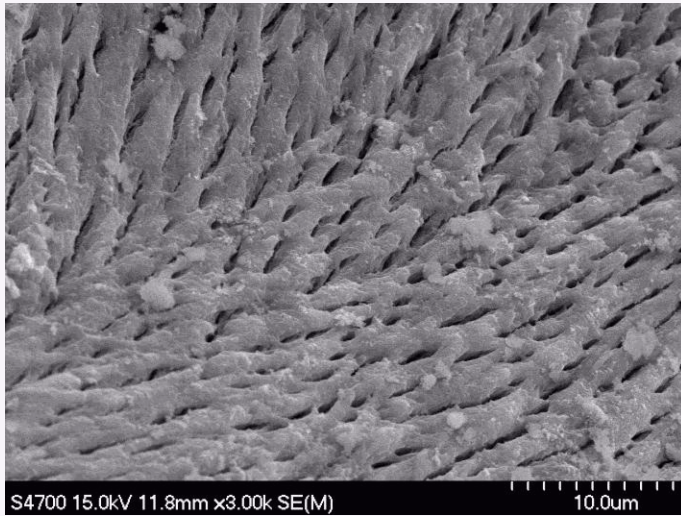


Bio-Oss[®]

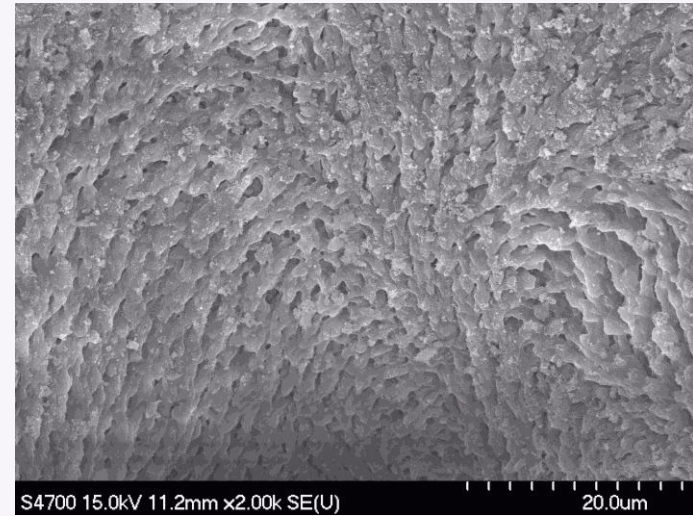


Micropore Structure Comparison

InterOss[®]



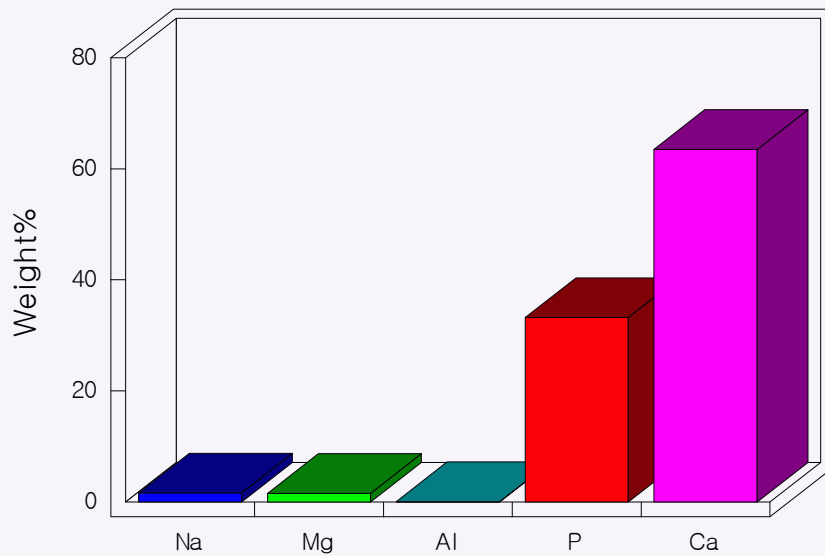
Bio-Oss[®]



SEM-EDS (Chart of Result) Comparison

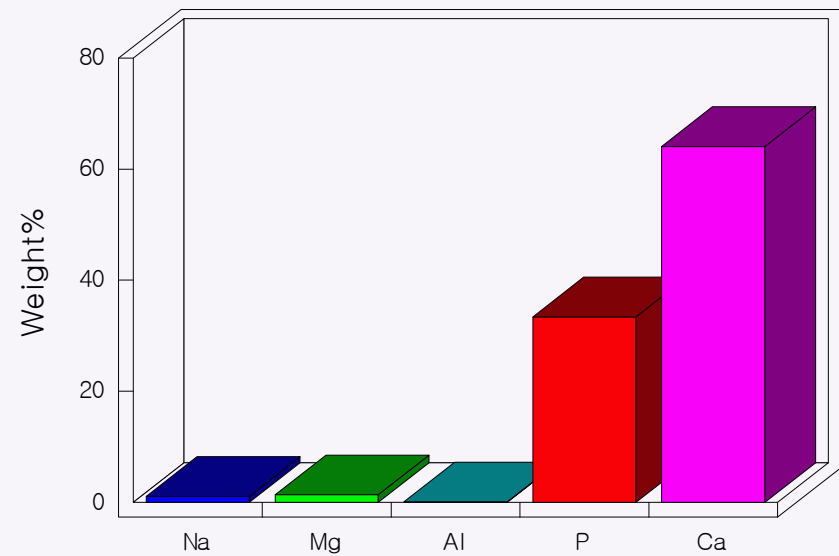
InterOss®

Quantitative results

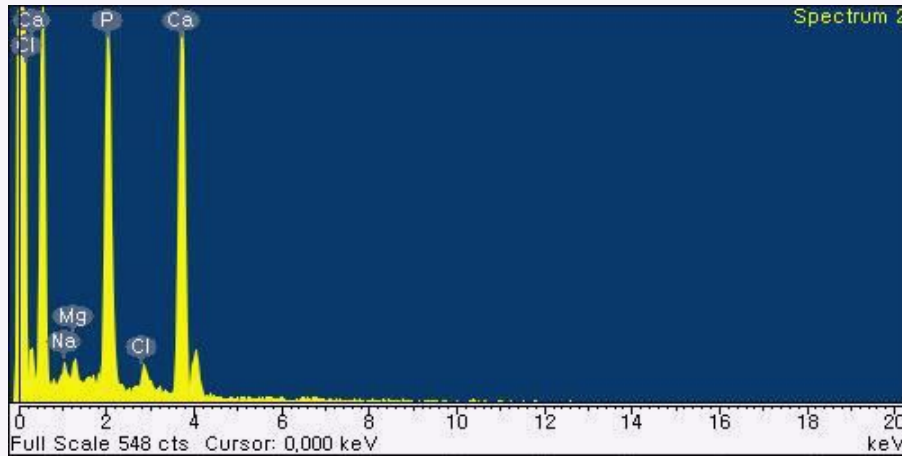


Bio-Oss®

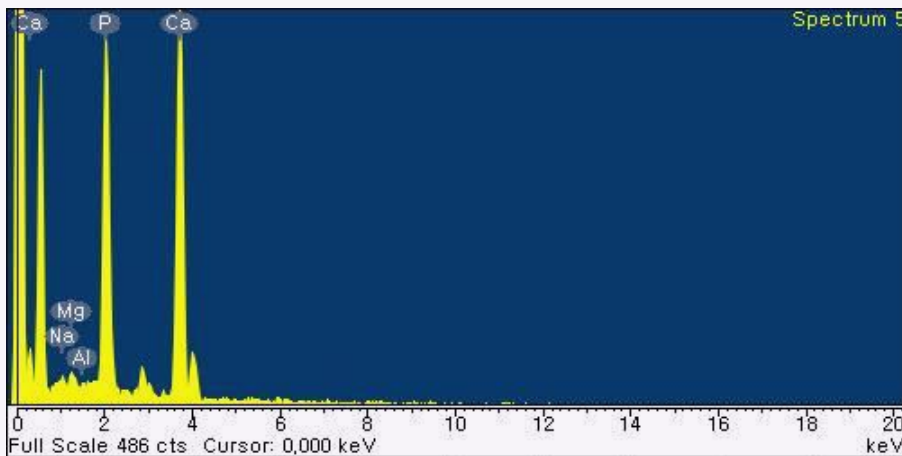
Quantitative results



InterOss®



Bio-Oss®



**SEM-EDS
(Spectrum of Result)
Comparison**

SEM-EDS (Quant of Result) Comparison

InterOss®

Element	App	Intensity	Weight%	Weight%	Atomic%
	Conc.	Corn.		Sigma	
Na K	0.13	1.0461	1.65	0.59	2.56
Mg K	0.11	0.9132	1.56	0.47	2.29
Al K	0.01	0.9883	0.07	0.39	0.10
P K	3.80	1.5103	33.21	1.03	38.36
Ca K	5.01	1.0408	63.51	1.13	56.69
Totals			100.00		

Ca/P : 1.48

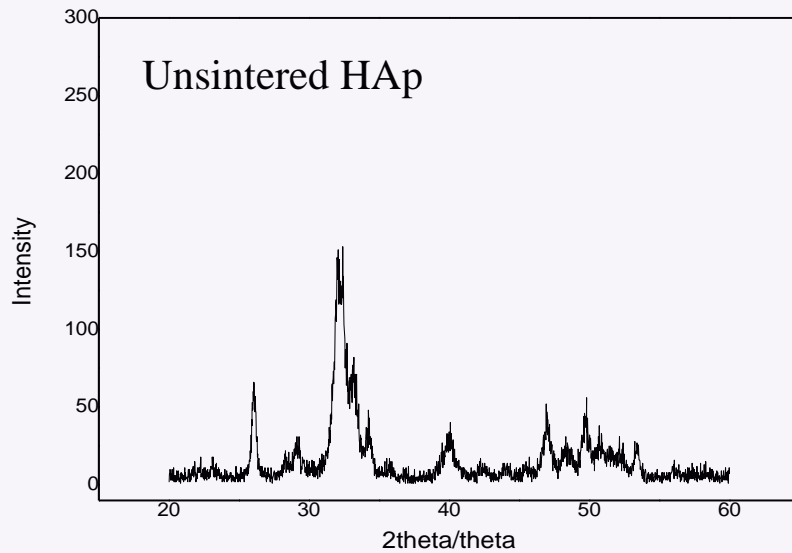
Bio-Oss®

Element	App	Intensity	Weight%	Weight%	Atomic%
	Conc.	Corn.		Sigma	
Na K	0.08	1.0412	1.07	0.62	1.67
Mg K	0.09	0.9169	1.35	0.48	2.00
Al K	0.01	0.9938	0.08	0.39	0.11
P K	3.57	1.5151	33.40	1.08	38.75
Ca K	4.70	1.0412	64.10	1.18	57.47
Totals			100.00		

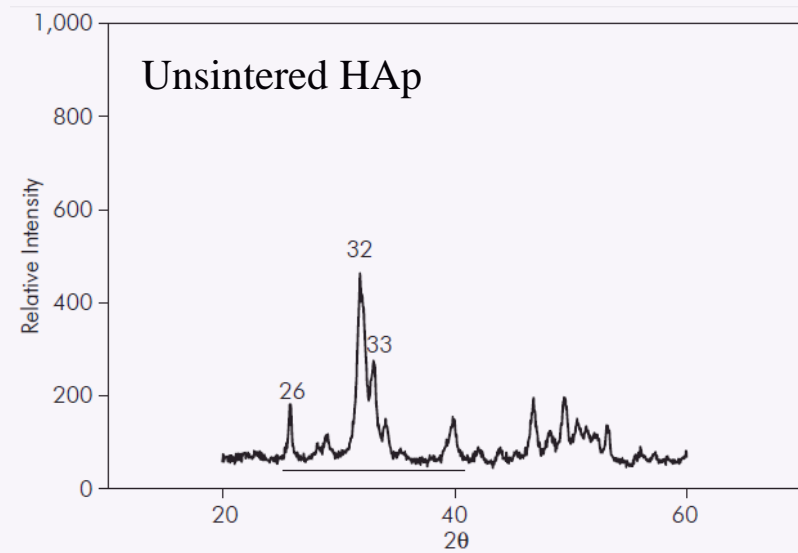
Ca/P : 1.48

XRD Comparison

InterOss[®]

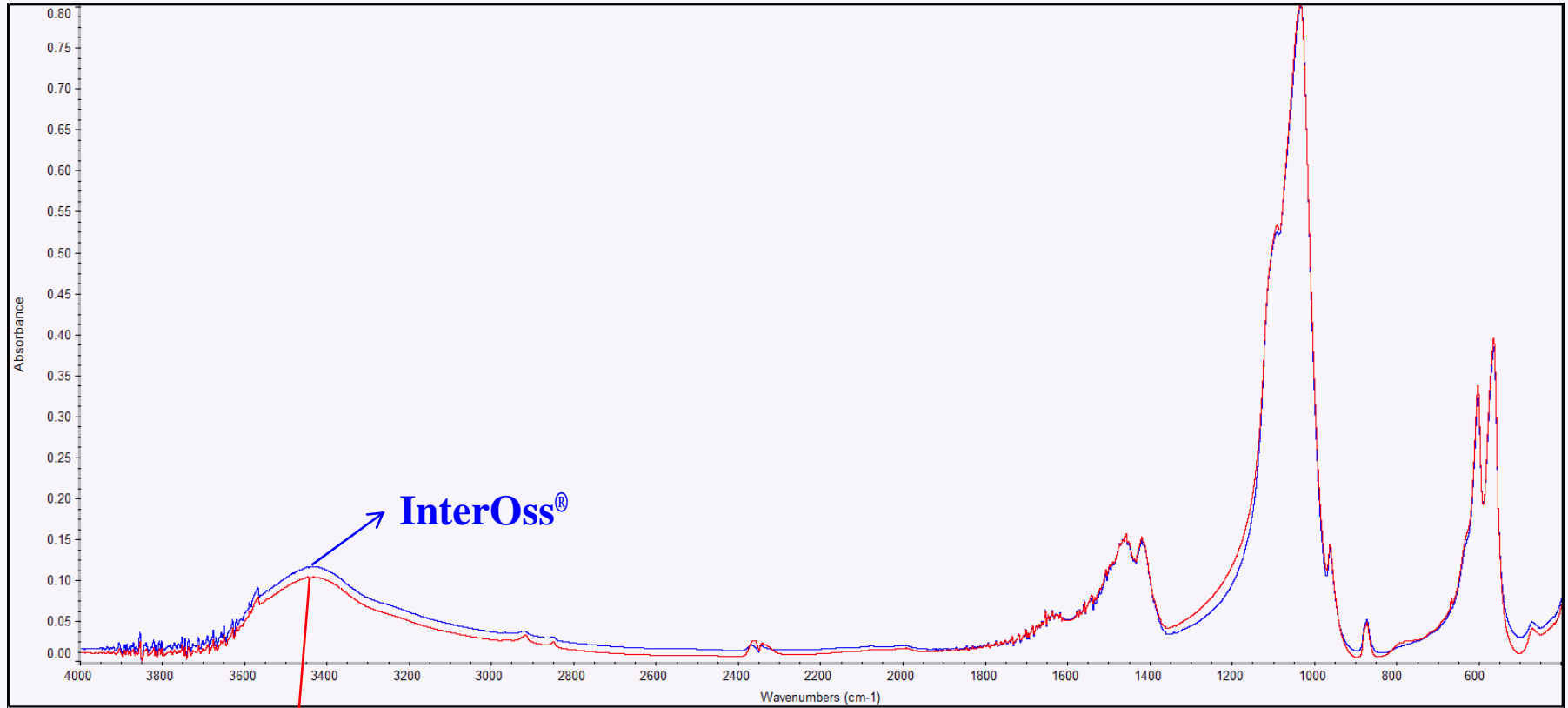


Bio-Oss[®]



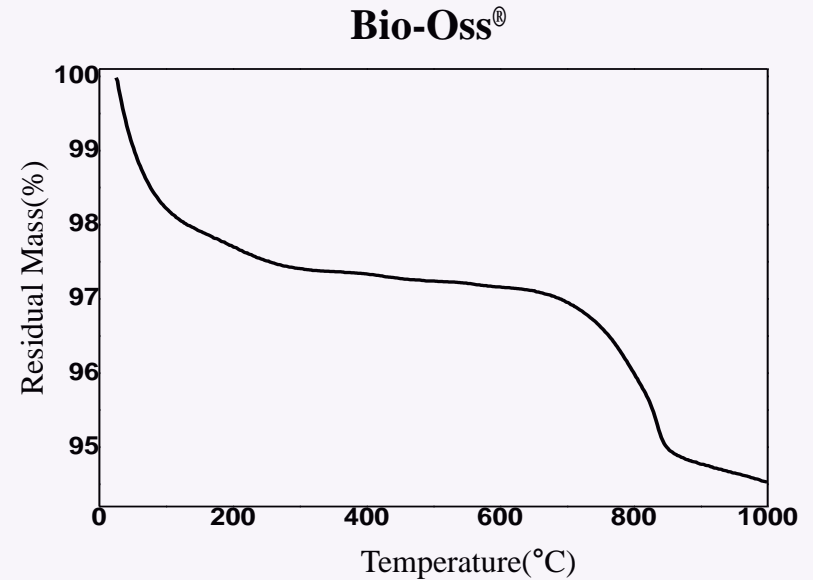
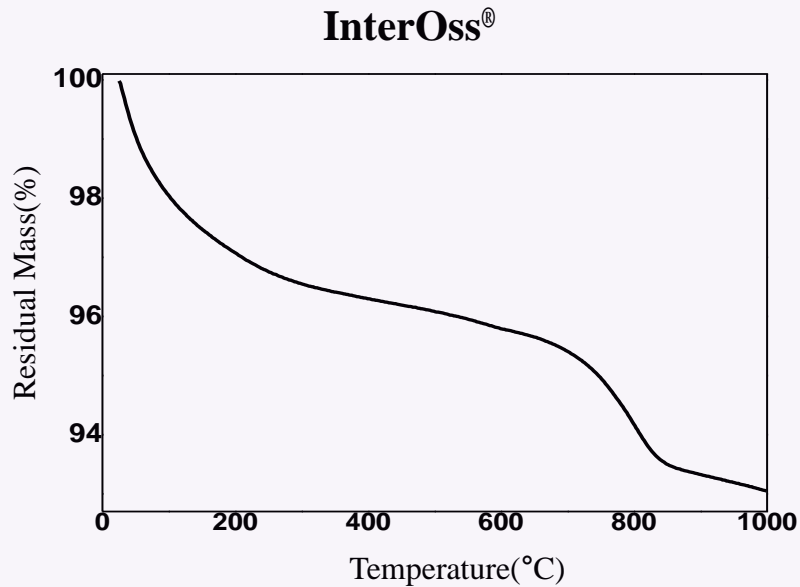
Ref.) Braz Oral Res 2008;22(1):5-10

FTIR Comparison



Bio-Oss[®]

TGA Comparison



InterOss [®]			Bio-Oss [®]		
H ₂ O(%) (25~280°C)	CO ₂ (%) (550~1000°C)	Carbonate(%)	H ₂ O(%) (25~280°C)	CO ₂ (%) (550~1000°C)	Carbonate(%)
3.36	2.92	6.64	2.54	2.68	6.09

ICP (Ca-P ratio) Comparison

InterOss[®]

Ca (wt.%)	P (wt.%)	Ca (at.%)	P (at.%)	Ca/P ratio
39.67	19.55	0.99	0.63	1.57

Ca atomic weight: 40.078g/mol

P atomic weight: 30.974g/mol

Ca/P ratio Comparison

InterOss [®]	Bio-Oss [®]
1.57	1.47 ± 0.17 (1.3 ~ 1.64)

Ref.) NuOss, a Bone Grafting Material for Oral Surgery:
A Comparative Study with BioOss by Collagen Matrix Inc.

Protein Analysis Comparison

Crude Protein (%)

InterOss [®]	Bio-Oss [®]	
0.04 %	0.118 % (\approx 0.12%)	Pure Protein (0.062 %)
		Collagen (0.05 %)
		Others (Nitro Comp.) (0.006 %)

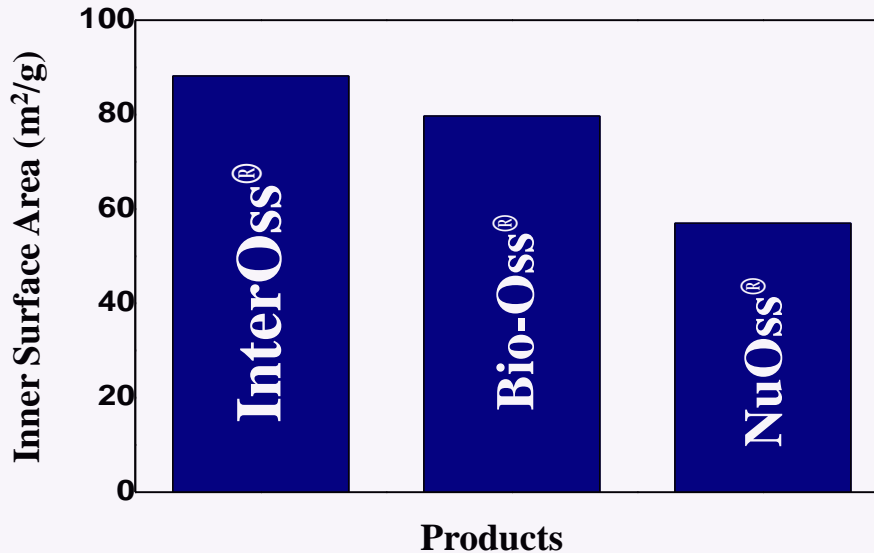
Ref.) NuOss, a Bone Grafting Material for Oral Surgery:
A Comparative Study with BioOss by Collagen Matrix Inc.

Ref.) Biomaterials 2001;22:1005-1012

BET (Surface Area) Comparison

Inner Surface Area (m²/g)

InterOss [®]	Bio-Oss [®]	NuOss [®]
88.2	79.7	57.0



Ref.) NuOss, a Bone Grafting Material for Oral Surgery: A Comparative Study with BioOss by Collagen Matrix Inc.

Ref.) Bio-Oss Product Brochure by Geistlich