



## Medical Aesthetic Subdermal Injection Materials

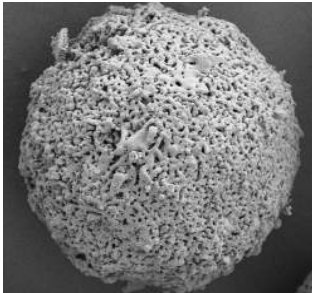
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Vita Spire is dedicated to providing high-quality microsphere biomaterials<sup>®</sup> including HAp, PLLA, PDLLA, PLGA, mPEG-PLLA, and PCL<sup>®</sup> that are highly biocompatible, biodegradable, and capable of tissue repair.

Our materials are specifically engineered to promote collagen stimulation, tissue regeneration, and controlled biodegradation, thereby supporting the advancement of next-generation injectable fillers and regenerative aesthetic solutions.

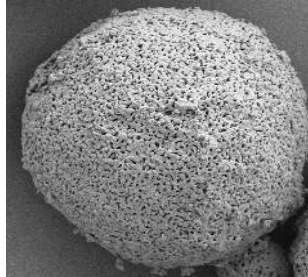
### HAPAI-01

HAp Microspheres, Type I  
 (Low Porosity)  
 Density 1.2-1.5 g/cm<sup>3</sup>. 20-45 µm.



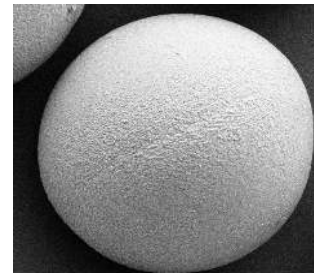
### HAPAI-02

HAp Microspheres, Type II  
 (Mid Porosity)  
 Density 1.4-1.6 g/cm<sup>3</sup>. 20-45 µm.



### HAPAI-03

HAp Microspheres, Type III  
 (High Porosity)  
 Density 1.6-1.9 g/cm<sup>3</sup>. 20-45 µm.



### PLLAAI-04

PLLA Microspheres  
 10-20, 20-60, 20-50 µm



### PDLLAAI-05

PDLLA Microspheres  
 10-20, 20-50 µm

### mPEGPLLA-06

mPEG-PLLA Microspheres  
 10-20, 20-50 µm

### PLGAAI-07

PLGA Microspheres (50:50 & 75:25)  
 20-50 µm.

### PCLAI-08

PCL Microspheres  
 20-50 µm

#### Product Features:

- ISO13485:2016 Certified
- Class 100,000 cleanroom production
- Low Endotoxin <math>\dot{y}</math> <math><0.5\text{EU/mg}</math>
- Controlled particle size