ABSTRACT

3D *in vitro* bi-phasic cartilage-bone construct

The present invention is directed to a 3D *in vitro* bi-phasic cartilage-bone organoid comprising: a) a layer of artificial cartilage tissue; and b) a layer of artificial bone tissue, wherein the artificial bone tissue comprises a structure-giving scaffold and a bone marrow structure; wherein the layer of artificial cartilage tissue contacts at least one surface of the layer of artificial bone tissue, as well as to uses and a method of production thereof.

[No figure]