

Microstructure of brushite crystal prepared via high internal phase emulsion.

ABSTRACT

For the first time, various microstructures of calcium phosphates were successfully synthesized using a high internal phase emulsion process. The crystals were possessed in the brushite crystalline phase. The morphology of the crystals was influenced by the variables related to the emulsion process route, which consisted of flakes, dendrites and particulates structures.

Keyword: Concentrated emulsion; Calcium phosphates; Electron microscopy.