

Materials List for:

Rapid Mix Preparation of Bioinspired Nanoscale Hydroxyapatite for Biomedical Applications

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Materials

Name	Company	Catalog Number	Comments
Calcium hydroxide (purity of ≥ 96%)	Sigma Aldrich UK	31219	Good laboratory practise should be used at all times including the use of appropriate personal protective equipment.
Phosphoric acid (85%)	Sigma Aldrich UK	345245	Safety goggles and a faceshield should be used when handling this product (see safety data sheet from Sigma Aldrich for further information).
STOE IP X-ray diffractometer	Phillips		
International centre for diffraction data (ICDD) PDF4+ database	International Centre for Diffraction Data		
Holey carbon films on 300 mesh grids	Agar Scientific	S147-3H	
Tecnai G2 Spirit transmission electron microscope	FEI		
Lithium tetraborate	ICPH, Malzéville, France		
PW2440 XRF spectrometer	Philips		
ThermoScientific Nikolett Spectrometer	Unicam Ltd		