

**Graphene oxide as an interface phase between polyetheretherketone and hydroxyapatite for
tissue engineering scaffolds**

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Supporting information

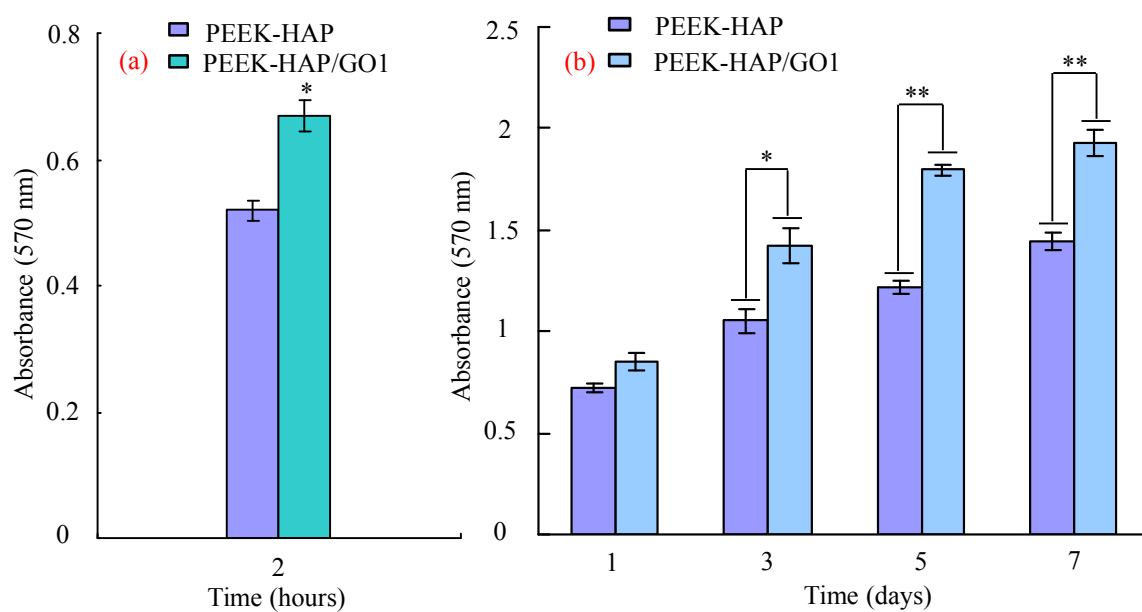


Figure S1. MG-63 cells adhesion and proliferation. Adhesion of MG-63 cells on the scaffolds at 2 hours after culture (a), proliferation of MG-63 cells on the scaffolds for 1 day, 3 days, 5 days and 7 days. The data represent the mean \pm SD (n=6). *, statistically significant difference ($P < 0.05$); **, very significant difference ($P < 0.01$).

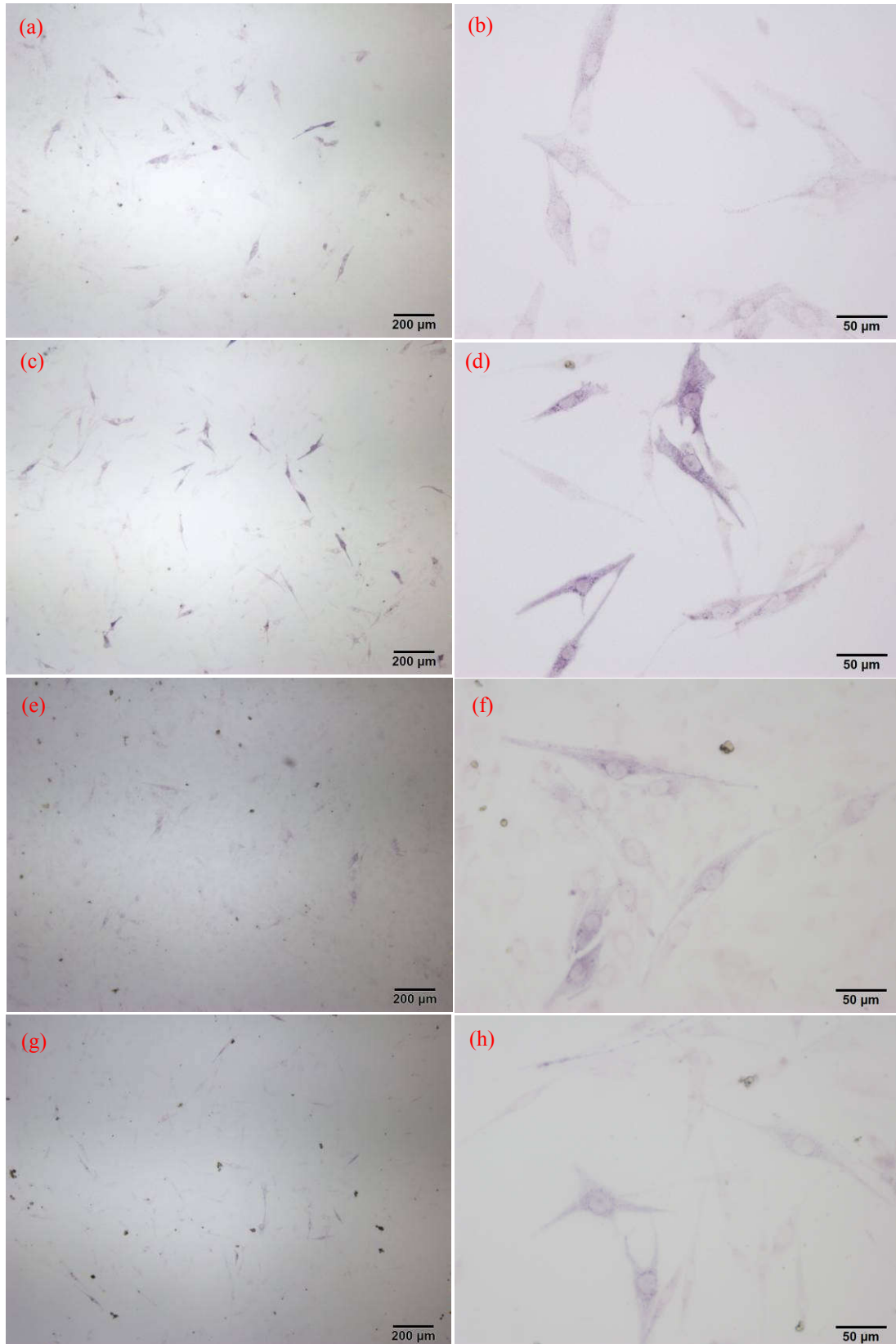


Figure S2. ALP staining images. MG-63 cells after culturing on the PEEK-HAP/GO1 scaffolds for 1 day (a and b), 3 days (c and d), 5 days (e and f) and 7 days (g and h).

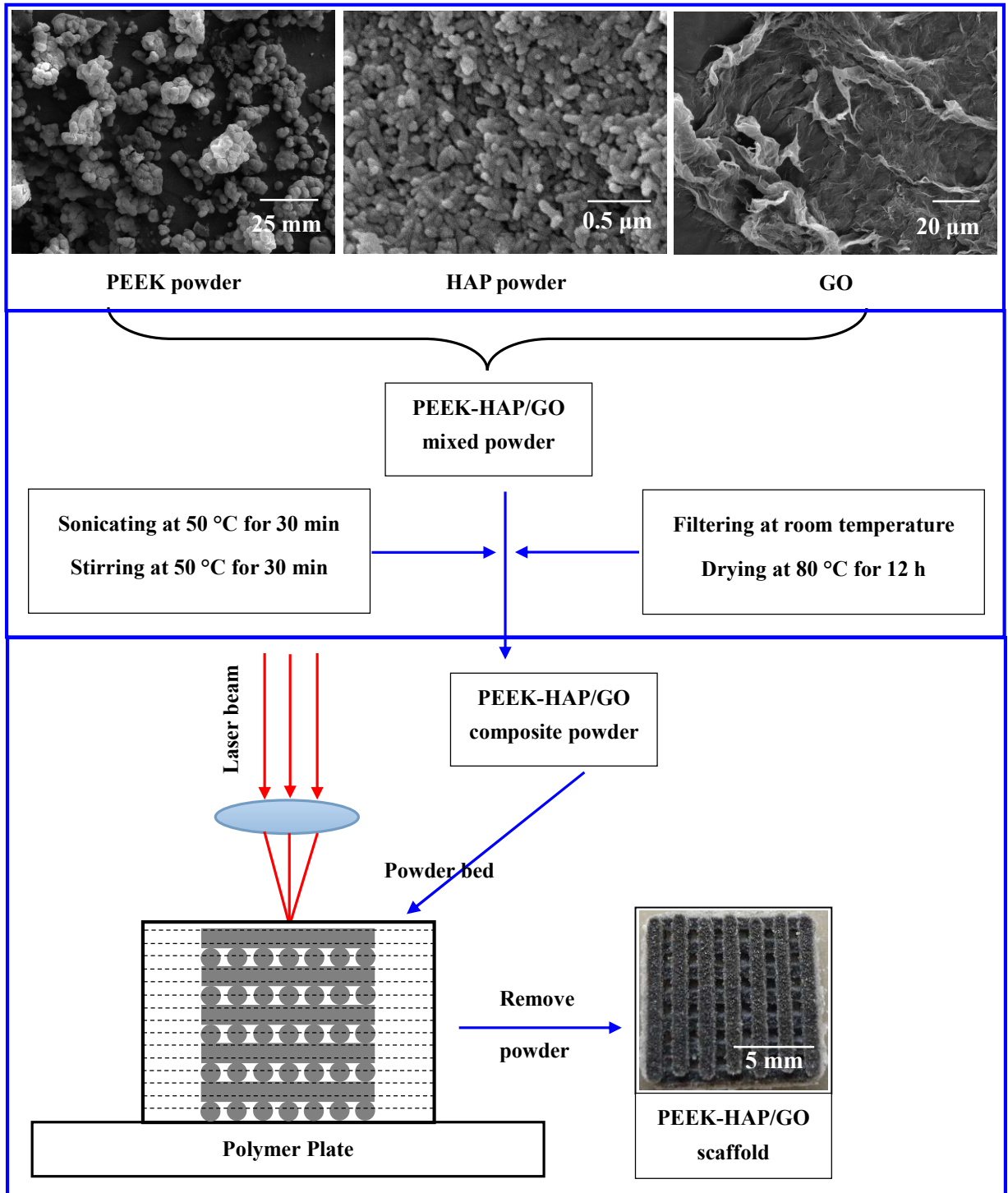


Figure S3. Schematic of the procedure used to fabricate PEEK-HAP/GO scaffold.