

### Supporting Information

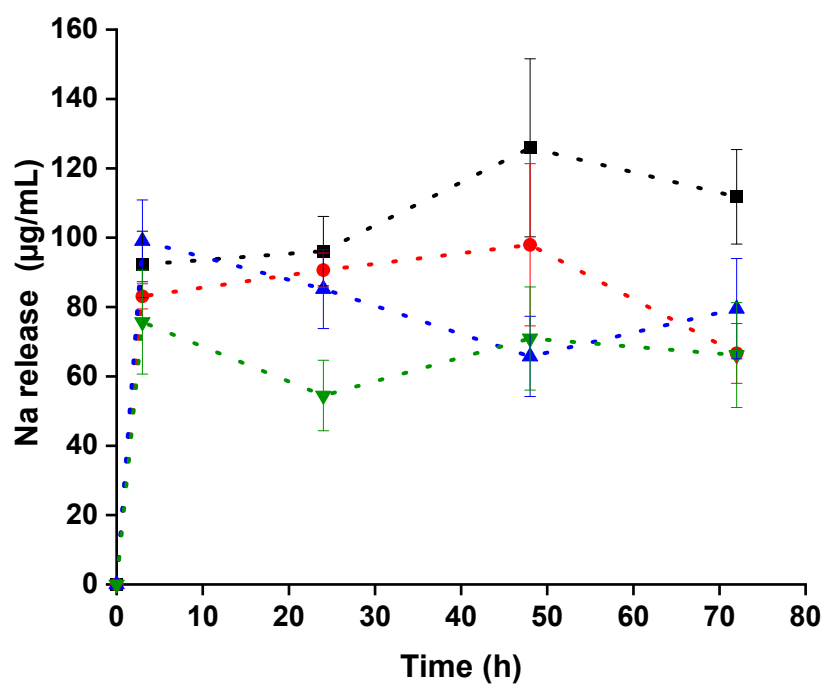


Figure SI\_1. Release of Na after PGF-unl and PGFs-GaX immersion in DI water up to 72 h.

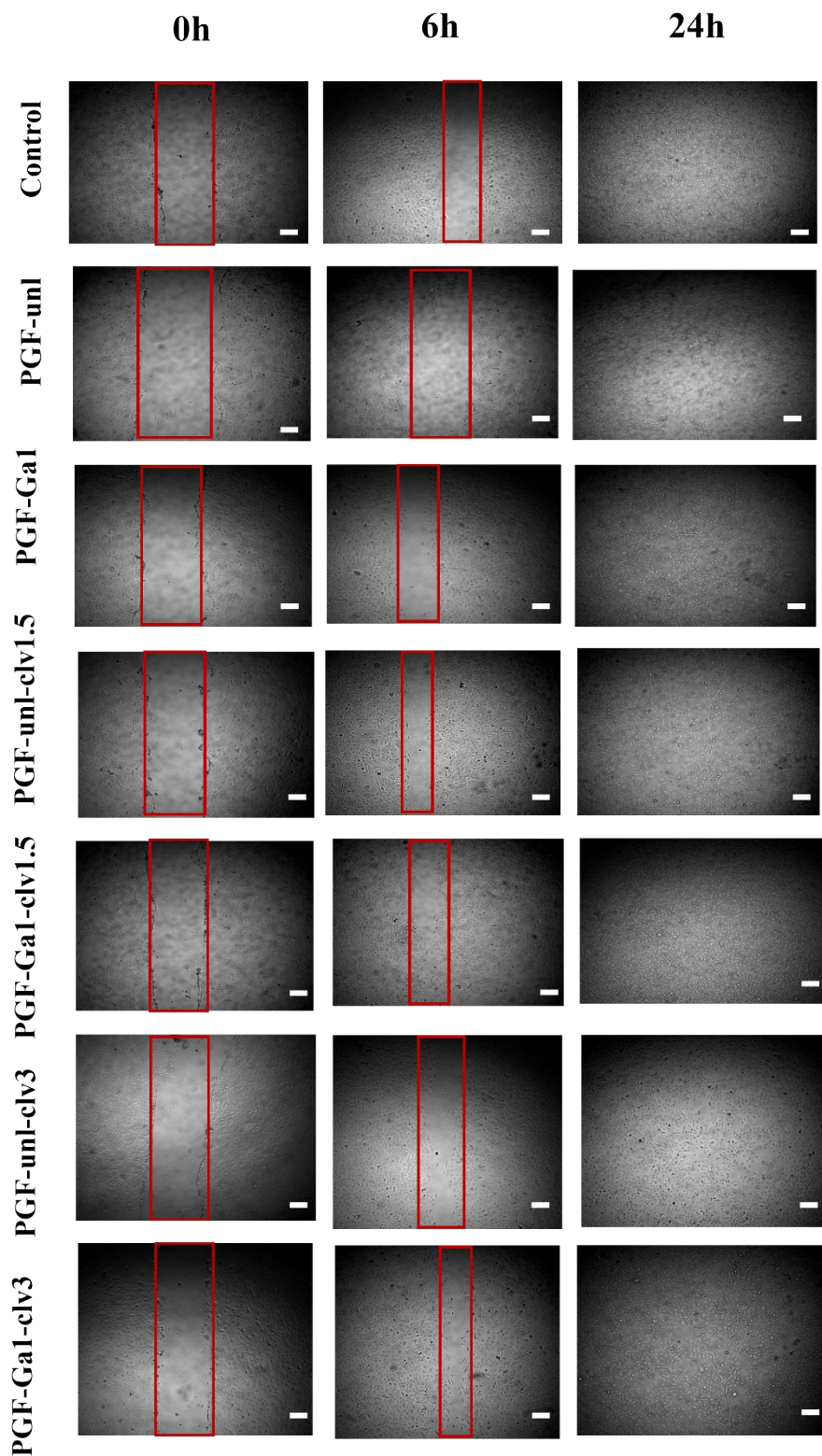
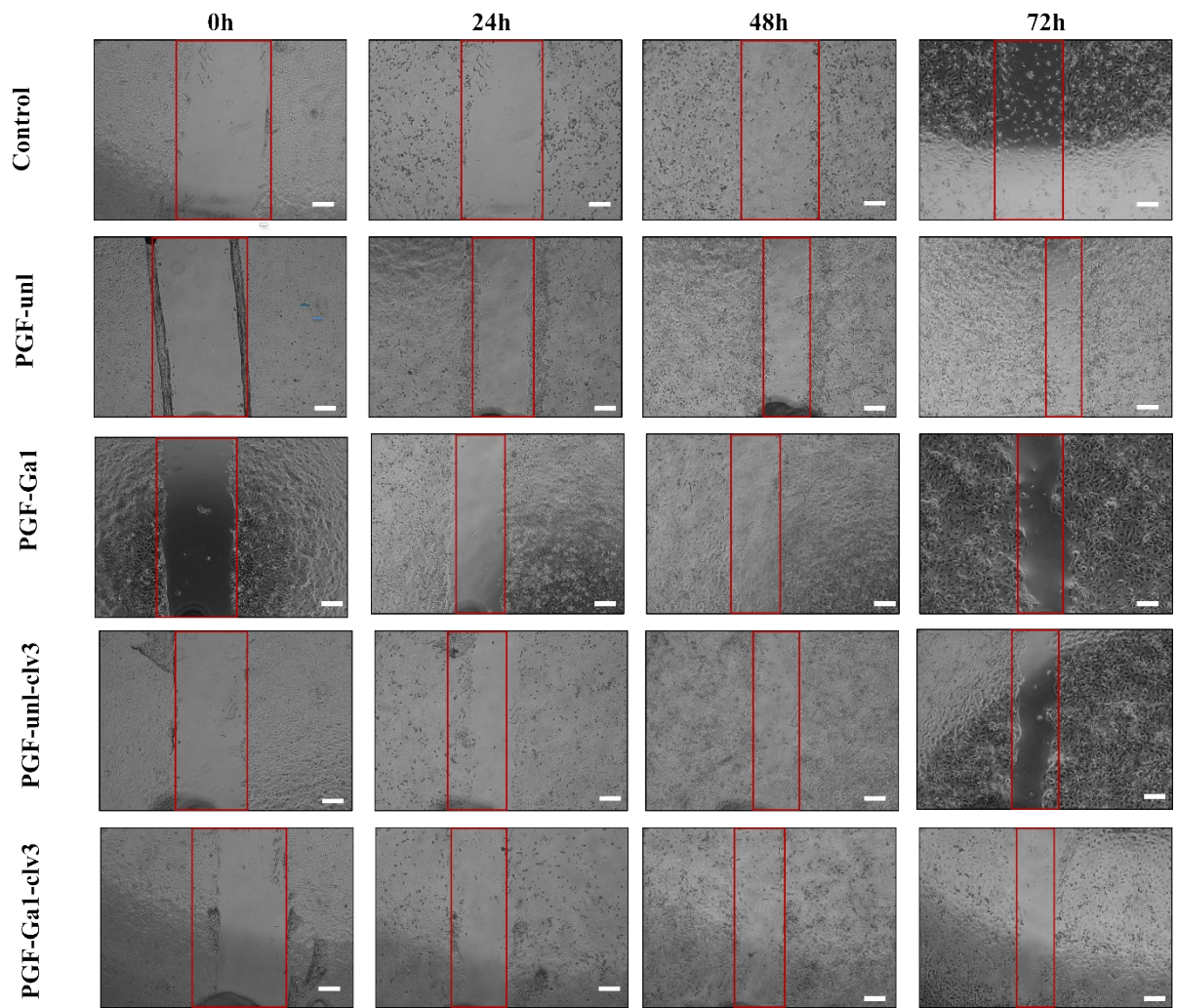


Figure SI\_2. *In vitro* monolayer scratch assay of untreated MC3T3-L1-E1 (control) and those treated with PGF-unl, PGF-Ga1, PGF-unl-clv1.5, PGF-Ga1-clv1.5, PGF-unl-clv3, PGF-Ga1-clv3 after 6 and 24 h. Scale bar: 200  $\mu$ m



*Figure SI\_3. In vitro monolayer scratch assay of untreated HaCaTs (control) and those treated with PGF-unl, PGF-Ga1, PGF-unl-clv3 and PGF-Ga1-clv3 after 24, 48 and 72 h. Scale bars: 200  $\mu$ m*

Table S1. Scratch width and percentage of wound closure for MC3T3-L1-E1 in contact with PGF dissolution products.

<b>Sample</b>	<b>Scratch width (0 h, <math>\mu\text{m}</math>)</b>	<b>Scratch width (6 h, <math>\mu\text{m}</math>)</b>	<b>% Closure (6 h)</b>	<b>% Closure (24 h)</b>
Control	650	393	39 %	100 %
PGF-unl	882	702	20 %	100 %
PGF-Ga1	713	450	33 %	100 %
PGF-unl-clv1.5	614	428	30 %	100 %
PGF-Ga1-clv1.5	588	291	50 %	100 %
PGF-unl-clv3	632	324	48 %	100 %
PGF-Ga1-clv3	545	264	51 %	100 %