



**Fig. S1. Background levels of model biomarkers in thawed skin.** Concentrations of: (a) interleukin (IL)-1 $\alpha$ , (b) IL-6, (c) IL-17 and (d) tumour necrosis factor alpha (TNF- $\alpha$ ) were measured in dialysates from fresh and thawed skin specimens obtained from the same donor (D22). Biomarker levels were quantified by enzyme-linked immunoassay (ELISA). Depicted are individual samples with triplicate probes for each condition and bars denote mean  $\pm$  standard deviation. Open symbols indicate values below lower limit of quantification (LLOQ). The  $p$ -value is based on a  $t$ -test with Welch's correction.