

Figure S1. LIVE / DEAD® images of HaCaT cells after ethanol treatment and control at days 3, 7, 10 and 14. (a-d) HaCaT cells after ethanol (3.5 %) treatment at days 3, 7, 10 and 14, respectively. (e-h) HaCaT cells after ethanol (7 %) treatment at day 3, 7, 10 and 14, respectively. (i-l) HaCaT cells after ethanol (35 %) treatment at days 3, 7, 10 and 14, respectively. (m-p) HaCaT cells after ethanol (70 %) treatment at days 3, 7, 10 and 14, respectively. (q-t) control at days 3, 7, 10 and 14, respectively. Dead cells are represented in red and live cells in green. Magnification 10x.

Figure S2. LIVE / DEAD® images of HaCaT cells after chlorhexidine digluconate treatment and control at days 3, 7, 10 and 14. (a-d) HaCaT cells after chlorhexidine digluconate (0.1 %) treatment at days 3, 7, 10 and 14, respectively. (e-h) HaCaT cells after chlorhexidine digluconate (0.2 %) treatment at day 3, 7, 10 and 14, respectively. (i-l) HaCaT cells after chlorhexidine digluconate (1 %) treatment at days 3, 7, 10 and 14, respectively. (m-p) HaCaT cells after chlorhexidine digluconate (2 %) treatment at days 3, 7, 10 and 14, respectively. (q-t) control at days 3, 7, 10 and 14, respectively. Dead cells are represented in red and live cells in green. Magnification 10x.

Figure S3. LIVE / DEAD® images of HaCaT cells after sodium hypochlorite treatment and control at days 3, 7, 10 and 14. (a-d) HaCaT cells after sodium hypochlorite (0.001 %) treatment at days 3, 7, 10 and 14, respectively. (e-h) HaCaT cells after sodium hypochlorite (0.002 %) treatment at day 3, 7, 10 and 14, respectively. (i-l) HaCaT cells after sodium hypochlorite (0.01 %) treatment at days 3, 7, 10 and 14, respectively. (m-p) HaCaT cells after sodium hypochlorite (0.02 %) treatment at days 3, 7, 10 and 14, respectively. (q-t) control at days 3, 7, 10 and 14, respectively. Dead cells are represented in red and live cells in green. Magnification 10x.

Figure S4. LIVE / DEAD® images of HaCaT cells after polyhexanide treatment and control at days 3, 7, 10 and 14. (a-d) HaCaT cells after polyhexanide (0.005 %) treatment at days 3, 7, 10 and 14, respectively. (e-h) HaCaT cells after polyhexanide (0.01 %) treatment at day 3, 7, 10 and 14, respectively. (i-l) HaCaT cells after polyhexanide (0.05 %) treatment at days 3, 7, 10 and 14, respectively. (m-p) HaCaT cells after polyhexanide (0.1 %) treatment at days 3, 7, 10 and 14, respectively. (q-t) control at days 3, 7, 10 and 14, respectively. Dead cells are represented in red and live cells in green. Magnification 10x.

Figure S5. LIVE / DEAD® images of HaCaT cells after povidone iodine treatment and control at days 3, 7, 10 and 14. (a-d) HaCaT cells after povidone iodine (5 mg/mL) treatment at days 3, 7, 10 and 14, respectively. (e-h) HaCaT cells after povidone iodine (10 mg/mL) treatment at day 3, 7, 10 and 14, respectively. (i-l) HaCaT cells after povidone iodine (50 mg/mL) treatment at days 3, 7, 10 and 14, respectively. (m-p) HaCaT cells after povidone iodine (100 mg/mL) treatment at days 3, 7, 10 and 14, respectively. (q-t) control at days 3, 7, 10 and 14, respectively. Dead cells are represented in red and live cells in green. Magnification 10x.

Figure S6. LIVE / DEAD® images of HF cells after ethanol treatment and control at days 3, 7, 10 and 14. (a-d) HF cells after ethanol (7 %) treatment at days 3, 7, 10 and 14, respectively. (e-h) HF cells after ethanol (35 %) treatment at day 3, 7, 10 and 14, respectively. (i-l) HF cells after ethanol (70 %) treatment at day 3, 7, 10 and 14, respectively. Dead cells are represented in red and live cells in green. Magnification 10x.

treatment at days 3, 7, 10 and 14, respectively. (m-p) control at days 3, 7, 10 and 14, respectively. Dead cells are represented in red and live cells in green. Magnification 10x.

Figure S7. LIVE / DEAD® images of HF's after chlorhexidine digluconate treatments and control at days 3, 7, 10 and 14. (a-d) HF's after chlorhexidine digluconate (0.2 %) treatment at days 3, 7, 10 and 14, respectively. (e-h) HF's after chlorhexidine digluconate (1 %) treatment at day 3, 7, 10 and 14, respectively. (i-l) HF's after chlorhexidine digluconate (2 %) treatment at days 3, 7, 10 and 14, respectively. (m-p) control at days 3, 7, 10 and 14, respectively. Dead cells are represented in red and live cells in green. Magnification 10x.

Figure S8. LIVE / DEAD® images of HF's after sodium hypochlorite treatments and control at days 3, 7, 10 and 14. (a-d) HF's after sodium hypochlorite (0.002 %) treatment at days 3, 7, 10 and 14, respectively. (e-h) HF's after sodium hypochlorite (0.01 %) treatment at day 3, 7, 10 and 14, respectively. (i-l) HF's after sodium hypochlorite (0.02 %) treatment at days 3, 7, 10 and 14, respectively. (m-p) control at days 3, 7, 10 and 14, respectively. Dead cells are represented in red and live cells in green. Magnification 10x.

Figure S9. LIVE / DEAD® images of HF's after polyhexanide treatments and control at days 3, 7, 10 and 14. (a-d) HF's after polyhexanide (0.01 %) treatment at days 3, 7, 10 and 14, respectively. (e-h) HF's after polyhexanide (0.05 %) treatment at day 3, 7, 10 and 14, respectively. (i-l) HF's after polyhexanide (0.1 %) treatment at days 3, 7, 10 and 14, respectively. (m-p) control at days 3, 7, 10 and 14, respectively. Dead cells are represented in red and live cells in green. Magnification 10x.

Figure S10. LIVE / DEAD® images of HF's after povidone iodine treatments and control at days 3, 7, 10 and 14. (a-d) HF's after povidone iodine (10 mg/mL) treatment at days 3, 7, 10 and 14, respectively. (e-h) HF's after povidone iodine (50 mg/mL) treatment at day 3, 7, 10 and 14, respectively. (i-l) HF's after povidone iodine (100 mg/mL) treatment at days 3, 7, 10 and 14, respectively. (m-p) control at days 3, 7, 10 and 14, respectively. Dead cells are represented in red and live cells in green. Magnification 10x.

Table S1. Mean cell viability percentage $\pm$ SEM for each treatment and control in HaCaT cells at days: 3, 7, 10 and 14; $n=3$.

Table S2. Mean cell viability percentage $\pm$ SEM for each treatment and control in HF's at days: 3, 7, 10 and 14; $n=3$.

Table S3. Mean wound closure percentage $\pm$ SEM for each treatment and control in HaCaT cells at hours; 12, 24, 36 and 48; $n=3$.

Table S4. Average cell migration rate ($\mu\text{m/h}$) $\pm$ SEM after each treatment and control in HaCaT cells. $n= 3$.

Table S5. Mean wound closure percentage $\pm$ SEM for each treatment and control in HF at hours; 6, 12 and 24; $n= 3$.

Table S6. Average cell migration rate ($\mu\text{m/h}$) $\pm$ SEM after each treatment and control in HFs. $n= 3$.