All the results of the statistical analysis are made available below.

Control conditions illustrated on Figure 1.

A significant variation was found for cell viability between the control media across all days of incubation [$F(2, 4) = 88.02$, $p = 0.0005$]. Incubation in rich control medium ($M = 0.55$, $SD = 0.06$) resulted in significantly higher viability than in hypoxic medium [($M = 0.17$, $SD = 0.03$) $t(2) = 7.6$, $p = 0.018$], or blank [($M = 0.12$, $SD = 0.02$) $t(2) = 18.3$, $p = 0.003$.]. Time of incubation had a significant effect on cell viability for the hypoxic medium only [$F(2, 14) = 4.11$, $p = 0.04$]. Incubation in hypoxic medium at 24 h ($M = 0.19$, $SD = 0.04$) resulted in significantly higher viability than at 48 h [($M = 0.14$, $SD = 0.01$) $t(3) = 9.7$, $p = 0.002$], or 72 h [($M = 0.15$, $SD = 0.05$) $t(3) = 4.5$, $p = 0.02$].

PAI-1 in rich medium illustrated on Figure 2.

Two factor ANOVA has been conducted for all PAI-1 concentrations with rich control medium understood as null PAI-1 concentration, across the 3 days of incubation. No significant variance was found between the number of days of incubation $F(2, 6) = 2.39$, $p = 0.17$ or the concentration of PAI-1 $F(3, 6) = 1.14$, $p = 0.40$.

One way ANOVA was further carried out for each concentration of PAI-1 resulting in no significant variation in cell viability across the three days of incubation, as well as no significant variation in cell viability across all PAI-1 concentrations for each day of incubation, data not shown.

PAI-1 in hypoxic medium illustrated on Figure 3.

Two factor ANOVA has been conducted for cell viability between all PAI-1 concentrations with hypoxic medium understood as null PAI-1 concentration, across all three days of incubation. A significant variance was found between all concentrations of PAI-1 $F(3, 6) = 7.73$, $p = 0.02$ across all 3 days of incubation, but not between all 3 days of incubation across all PAI-1 concentrations. No significant variation was found between the cell viability between pairs of concentrations of PAI-1 across all 3 days.

One way ANOVA was then carried out for cell viability on each day of incubation between all PAI-1 concentrations, showing a significant variance in cell viability between all PAI-1 concentrations on day 2 $F(3, 6) = 88.11$, $p < 0.0001$, and day 3 $F(3, 6) = 19.51$, $p = 0.0017$.

Incubation on day 2 in hypoxic medium ($M = 0.14$, $SD = 0.01$) resulted in significantly lower cell viability than in PAI-1 at 0.1 µg/ml ($M = 0.32$, $SD = 0.02$) $t(2) = 31.1$, $p = 0.001$, 1 ug/ml ($M = 0.31$, $SD = 0.02$) $t(3) = 25.8$, $p = 0.0001$ or 5 µg/ml $t(3) = 18.80$, $p = 0.0003$.

Incubation on day 2 in PAI-1 0.1 µg/ml ($M = 0.32$, $SD = 0.02$) also resulted in significantly higher cell viability than at 5 µg/ml $t(2) = 7.39$, $p = 0.019$.

Incubation on day 3 resulted in the same, more pronounced, trends as on day 2, data not shown.

One way ANOVA was also carried out for cell viability at each PAI-1 concentration between all days of incubation, showing a significant variance in cell viability between days of incubation at PAI-1 concentrations of 0.1 µg/ml $F(2, 6) = 34.96$, $p = 0.0005$, and 1 µg/ml $F(2, 3) = 10.28$, $p = 0.045$.

Incubation at 0.1 ug/ml and 1 ug/ml resulted in a significant variation between all 3 days of incubation, data not shown.

uPA in rich medium illustrated on Figure 4.

Two factor ANOVA has been conducted for cell viability between all uPA concentrations, with rich control medium understood as null uPA concentration, and all three days of incubation. A significant variance was found between all concentrations of uPA $F(4, 8) = 4.56$, $p = 0.03$ across all three days of incubation, but not between all three days of incubation across all uPA concentrations. No significant variation was found between the cell viability between pairs of concentrations of uPA across all three days.

One way ANOVA was then carried out for cell viability on each day of incubation between all uPA concentrations, showing a significant variance in cell viability between all uPA concentrations on day 1 $F(4, 20) = 6.5$, $p = 0.001$, day 2 $F(4, 15) = 7.72$, $p = 0.001$, and day 3 $F(4, 15) = 4.75$, $p = 0.011$.

Incubation on day 1 in uPA at 20 ng/ml ($M = 0.79$, $SD = 0.12$) resulted in significantly higher cell viability than in rich control medium ($M = 0.32$, $SD = 0.02$) $t(3) = 15.5$, $p = 0.0006$, or in uPA at 5 ng/ml ($M = 0.52$, $SD = 0.07$) $t(3) = 4.49$, $p = 0.02$ and 80 ng/ml ($M = 0.37$, $SD = 0.08$) $t(3) = 4.46$, $p = 0.021$.

Incubation on day 2 in uPA at 80 ng/ml ($M = 0.45$, $SD = 0.09$) resulted in significantly lower cell viability than in rich control medium ($M = 0.61$, $SD = 0.06$) $t(3) = 3.21$, $p = 0.049$, or in uPA at 5 ng/ml ($M = 0.80$, $SD = 0.08$) $t(3) = 5.27$, $p = 0.013$ and 40 ng/ml ($M = 0.81$, $SD = 0.13$) $t(3) = 6.83$, $p = 0.006$.

Incubation on day 2 in rich medium resulted in significantly lower cell viability than in uPA at 5 ng/ml $t(3) = 8.58$, $p = 0.003$, and 40 ng/ml $t(3) = 4.06$, $p = 0.027$.

Incubation on day 3 in rich control medium ($M = 0.56$, $SD = 0.03$) resulted in significantly lower cell viability than in uPA at 5 ng/ml ($M = 0.81$, $SD = 0.05$) $t(3) = 20.64$, $p = 0.0002$, and 40 ng/ml ($M = 0.79$, $SD = 0.09$) $t(3) = 3.79$, $p = 0.032$.

Incubation on day 3 in uPA at 5 ng/ml resulted in significantly higher cell viability than in uPA at 80 ng/ml (M = 0.55, SD = 0.099) t(3) = 9.85, p = 0.002.

One way ANOVA was also carried out for cell viability at each uPA concentration between all days of incubation, showing a significant variance in cell viability between all days of incubation at uPA concentrations of 5 ng/ml F(2, 9) = 25.13, p = 0.0002, and 40 ng/ml F(2, 9) = 5.55, p = 0.027.

Incubation in uPA at 5 ng/ml for 1 day (M = 0.52, SD = 0.07) resulted in significantly lower cell viability than for 2 days (M = 0.80, SD = 0.077) t(3) = 6.05, p = 0.009 or 3 days (M = 0.81, SD = 0.052) t(3) = 7.05, p = 0.006.

uPA in Hypoxic Medium illustrated on Figure 5.

Two factor ANOVA has been conducted for cell viability between all uPA concentrations, with hypoxic medium understood as null uPA concentration, and all 3 days of incubation. No significant variance was found between all concentrations of uPA across all 3 days of incubation, or between all 3 days of incubation across all uPA concentrations.

One way ANOVA was then carried out for cell viability on each day of incubation between all uPA concentrations, showing a significant variance in cell viability between all uPA concentrations on day 2 F(4, 15) = 10.66, p = 0.0003.

Incubation on day 2 in hypoxic medium (M = 0.14, SD = 0.01) resulted in significantly lower cell viability than in uPA at 5 ng/ml (M = 0.21, SD = 0.0086) t(3) = 12.08, p = 0.001, 20 ng/ml (M = 0.21, SD = 0.026) t(3) = 5.97, p = 0.009, 40 ng/ml (M = 0.21, SD = 0.015) t(3) = 20.22, p = 0.0003, and 80 ng/ml (M = 0.18, SD = 0.024) t(3) = 6.08, p = 0.009.

Incubation on day 2 in uPA at 40 ng/ml resulted in significantly higher cell viability than in uPA at 80 ng/ml t(3) = 4.86, p = 0.017.

One way ANOVA was also carried out for cell viability at each uPA concentration in hypoxic medium between all days of incubation, showing no significant variance in cell viability between all days of incubation at any uPA concentration.