

Figure 3 part 1 – Pig trotters, pixel counts and percentage coverage. 10 regions each for triplicate samples.

<i>P. Aeruginosa 1min</i>						
	Control	saline	LAWS	Control	saline	LAWS
	198553	361920	184013	54.9	100.0	50.8
	160180	361920	1080	44.3	100.0	0.3
	214001	361920	2154	59.1	100.0	0.6
	361920	361920	3386	100.0	100.0	0.9
	361370	361920	7380	99.8	100.0	2.0
	361920	361920	280095	100.0	100.0	77.4
	361714	361920	345214	99.9	100.0	95.4
	347059	361920	356114	95.9	100.0	98.4
	329091	361920	354094	90.9	100.0	97.8
	361883	361920	355185	100.0	100.0	98.1
	361909	361920	20204	100.0	100.0	5.6
	351386	361920	10069	97.1	100.0	2.8
	359229	361920	8083	99.3	100.0	2.2
	361920	361920	5505	100.0	100.0	1.5
	361920	361920	37423	100.0	100.0	10.3
	361920	361920	11851	100.0	100.0	3.3
	361920	361920	30	100.0	100.0	0.0
	361920	361920	1058	100.0	100.0	0.3
	361920	361920	25	100.0	100.0	0.0
	361920	361920	637	100.0	100.0	0.2
	361920	361920	648	100.0	100.0	0.2
	361920	361920	17463	100.0	100.0	4.8
	361920	361920	62	100.0	100.0	0.0
	361920	361920	95	100.0	100.0	0.0
	361920	361920	78	100.0	100.0	0.0
	361920	361920	141	100.0	100.0	0.0
	361920	361920	240266	100.0	100.0	66.4
	361920	361920	193708	100.0	100.0	53.5
	361920	361920	339192	100.0	100.0	93.7
	361920	361920	150553	100.0	100.0	41.6
mean	342761.8333	361920	97526.87	94.70652	100	26.94708
SEM	9569.703149	0	25370.61	2.644149	0	7.010004
ST Dev	52415.42283	0	138960.5	14.4826	0	38.39537
N	30	30	30	30	30	30
% Remaining	94.70651894	100	26.94708			
% Removal	5.293481064	0	73.05292			

Figure 3 part 2 – Pig trotters, pixel counts and percentage coverage. 10 regions each for triplicate samples.

<i>P. Aeruginosa 2min</i>						
	Control	saline	LAWS	Control	saline	LAWS
	361920	361920	72	100.0	100.0	0.0
	361920	361920	39	100.0	100.0	0.0
	361920	361920	3434	100.0	100.0	0.9
	361920	361920	3287	100.0	100.0	0.9
	361920	361920	3287	100.0	100.0	0.9
	361920	361920	5533	100.0	100.0	1.5
	361920	361920	11191	100.0	100.0	3.1
	361920	361920	600	100.0	100.0	0.2
	361920	361920	2845	100.0	100.0	0.8
	361920	361920	2238	100.0	100.0	0.6
	361920	361920	314268	100.0	100.0	86.8
	361920	361920	224911	100.0	100.0	62.1
	361920	361920	95171	100.0	100.0	26.3
	361920	361920	2756	100.0	100.0	0.8
	361920	361920	23436	100.0	100.0	6.5
	361920	361920	5060	100.0	100.0	1.4
	361920	361920	1	100.0	100.0	0.0
	361920	361920	3527	100.0	100.0	1.0
	361920	361920	41932	100.0	100.0	11.6
	361920	361920	287748	100.0	100.0	79.5
	361920	361920	0	100.0	100.0	0.0
	361920	361920	29	100.0	100.0	0.0
	361920	361920	2	100.0	100.0	0.0
	361920	361920	18	100.0	100.0	0.0
	361920	361920	25	100.0	100.0	0.0
	361920	361920	31	100.0	100.0	0.0
	361920	361920	0	100.0	100.0	0.0
	361920	361920	27662	100.0	100.0	7.6
	361920	361920	1833	100.0	100.0	0.5
	361920	361920	9568	100.0	100.0	2.6
mean	361920	361920	35683.47	100	100	9.85949
SEM	0	0	15403.48	0	0	4.256046
ST Dev	0	0	84368.34	0	0	23.31132
	30	30	30	30	30	30
N	100	100	9.85949	0.02763	0.02763	0.002724
% Remaining	0	0	90.14051	99.97237	99.97237	99.99728
% Removal						

Figure 4 – EFT, pixel counts and percentage coverage. 10 regions each for triplicate samples.

<i>P. Aeruginosa post clean – 2 min</i>						
	Control	saline	LAWS	Control	saline	LAWS
	250684	337027	960	69.3	93.1	0.3
	361920	293135	1543	100.0	81.0	0.4
	361920	301566	344	100.0	83.3	0.1
	361920	354896	1594	100.0	98.1	0.4
	361920	271996	553	100.0	75.2	0.2
	361920	349854	299	100.0	96.7	0.1
	361920	361896	223	100.0	100.0	0.1
	361920	361920	4722	100.0	100.0	1.3
	361920	355629	774	100.0	98.3	0.2
	361920	361687	1567	100.0	99.9	0.4
	361920	361920	4258	100.0	100.0	1.2
	361920	361920	9631	100.0	100.0	2.7
	361920	361920	662	100.0	100.0	0.2
	361920	361920	6924	100.0	100.0	1.9
	361920	361920	15364	100.0	100.0	4.2
	361920	361919	2680	100.0	100.0	0.7
	361919	361920	1713	100.0	100.0	0.5
	329109	361920	5374	90.9	100.0	1.5
	361182	361920	6555	99.8	100.0	1.8
	361916	361920	2748	100.0	100.0	0.8
	259663	358730	205	71.7	99.1	0.1
	359627	361920	711	99.4	100.0	0.2
	361676	361919	379	99.9	100.0	0.1
	353711	325412	135	97.7	89.9	0.0
	287533	357585	1931	79.4	98.8	0.5
	256261	361920	85	70.8	100.0	0.0
	309234	356427	4010	85.4	98.5	1.1
	359491	360060	1921	99.3	99.5	0.5
	359925	335187	3258	99.4	92.6	0.9
	317931	334995	92	87.8	92.6	0.0
mean	343955.4	349432	2707.167	95.03631	96.5495137	0.748001
SEM	6407.244861	4216.97	617.3451	1.770348	1.16516624	0.170575
ST Dev	35093.92542	23097.29	3381.338	9.696597	6.38187835	0.934278
N	30	30	30	30	30	30
% Remaining	98.43271366	100	0.774733			
% Removal	1.567286339	0	99.22527			

Figure 6 – EFT H&E re-epithelialisation measurements against a graticule standard.

EFT re-epithelialisation H&E ( $\mu\text{m}$ )

	Control	Saline	LAWS
1	579	0	1211
2	0	934	929
3	466	627	1183
Mean	348.3333	520.3333	1107.666667
SEM	177.1951	274.8468	89.69825961
ST Dev	306.911	476.0487	155.361943
N	3	3	3

Figure 7 – EFT CytoKeratin-14 IHC re-epithelialisation measurements against a graticule standard.

CytoKeratin14 Migration distance ( $\mu\text{m}$ )

	Control	Saline	LAWS
	1029	410	2030
	600	1167	1407
	818	809	2333
mean	815.6667	795.3333333	1923.333
SEM	123.8471	218.6338898	272.5817
ST Dev	214.5095	378.6850054	472.1253
Dev			
N	3	3	3