

A. qPCR VEGF

	Target	Sample	Expression	Expression SEM	Corrected Expression SEM	Mean Cq	Cq SD	Cq SEM					Total		SE
A	VEGF	1-1 1-H-24	1.31666	0.11917	0.11917	29.84	0.06690	0.04731	VEGF	3 h	4.21590	1-1	VEGF	A	
	VEGF	1-1 1-H-3	4.21590	0.30161	0.30161	28.54	0.02426	0.01716			2.00156	1-2	3 h	2886.59477	
	VEGFA	1-2 2-H-24	0.91018	0.19350	0.13682	0.13682	44.70	0.00074			2.29857	1-3	24 h	975999.797	
	VEGFA	1-2 2-H-3	2.00156	0.91485	0.64690	0.64690	43.56	0.03339			2.53257	1-4			
	VEGF	1-3 1-H-24	0.91624	0.14944	0.14944	33.72	0.23150	0.16369			2.19103	1-8			
	VEGF	1-3 1-H-3	2.29857	0.14727	0.14727	31.80	0.04868	0.03442			5.35084	2-2			
	VEGF	1-4 2-H-24	1.21515	0.10954	0.10954	31.39	0.00773	0.00547			7.97763	2-3			
	VEGF	1-4 2-H-3	2.53257	0.19378	0.19378	27.75	0.11785	0.08333			2.41855	2-4			
	VEGF	1-8 1-H-24	1.09502	0.08150	0.08150	28.18	0.01753	0.01239			7.57997	2-5			
	VEGF	1-8 1-H-3	2.19103	0.16453	0.16453	28.66	0.08397	0.05938			4.00440	2-6			
	VEGFA	2-2 2-H-24	1.32731	0.07596	0.05371	0.05371	41.62	0.00564			33628.69222	2-7			
	VEGFA	2-2 2-H-3	5.35084	0.37202	0.26306	0.26306	39.64	0.01287			20773.61234	2-8			
	VEGFA	2-3 1-H-24	2.97819	0.41095	0.29058	0.29058	42.02	0.07612			20773.61234	3-2			
	VEGFA	2-3 1-H-3	7.97763	0.46016	0.32538	0.32538	39.40	0.00206			12183.02205	3-3			
	VEGFA	2-4 2-H-24	1.38281	0.10882	0.07695	0.07695	43.96	0.06966			0.00000	3-4	6242.82214		
	VEGFA	2-4 2-H-3	2.41855	0.86770	0.61355	0.61355	42.53	0.00476		24 h	1.31666	1-1			
	VEGFA	2-5 1-H-24	4.00725	2.63311	1.86189	1.86189	43.22	0.04976			0.91018	1-2			
	VEGFA	2-5 1-H-3	7.57997	5.49101	3.88273	3.88273	44.09	0.13030			0.91624	1-3			
	VEGFA	2-6 2-H-24	1.06359	0.56170	0.39718	0.39718	42.63	0.01861			1.21515	1-4			
	VEGFA	2-6 2-H-3	4.00440	0.27865	0.19703	0.19703	42.48	0.01783			1.09502	1-8			
	VEGFA	2-7 1-H-24	10631.20926	35610.37277	25180.33606	25180.33606	28.36	0.06468			1.32731	2-2			
	VEGFA	2-7 1-H-3	33628.69222	112488.52946	79541.40199	79541.40199	24.63	0.02955			2.97819	2-3			
	VEGFA	2-8 2-H-24	3947.79648	14237.62789	10067.52323	10067.52323	29.65	0.09422			1.38281	2-4			
	VEGFA	2-8 2-H-3	20773.61234	72344.63994	51155.38549	51155.38549	25.83	0.09843			4.00725	2-5			
	VEGFA	3-2 2-H-24	3166.15015	11339.07543	8017.93713	8017.93713	29.44	0.00088			1.06359	2-6			
	VEGFA	3-2 2-H-3	19961.61023	68755.07538	48617.18004	48617.18004	26.72	0.00201			10631.20926	2-7			

	VEGFA	3-3 1-H-24	3428.65965	11842.74387	8374.08450	8374.08450	30.17	0.08753			3947.79648	2-8		
	VEGFA	3-3 1-H-3	12183.02205	41798.98818	29556.34799	29556.34799	27.81	0.05798			3428.65965	3-2		
	VEGFA	3-4 2-H-24	14641524.91	101124555.79	71505859.15	71505859.15	22.82	0.02329			3428.65965	3-3		
	VEGFA	3-4 2-H-3									14641524.91072	3-4	977531.82988	

	Target	Sample	Expression	Expression SEM	Corrected Expression SEM	Mean Cq	Cq SD	Cq SEM					Total		SE
B	VEGF	1-1 2-H-24	1.41843	0.12893	0.12893	32.47	0.04755	0.03362	VEGF	3 h	2.52562	1-1	VEGF	B	
	VEGF	1-1 2-H-3	2.52562	0.21964	0.21964	30.32	0.02708	0.01915			2.54489	1-2	3 h	2911.325926	
	VEGFA	1-2 1-H-24	0.93087	0.10834	0.07661	0.07661	43.44	0.00035			1.08801	1-3	24 h	1045498.889	
	VEGFA	1-2 1-H-3	2.54489	1.12894	0.79828	0.79828	41.73	0.06201			1.17591	1-4			
	VEGF	1-3 2-H-24	1.59192	0.15961	0.15961	31.04	0.01429	0.01010			2.50595	1-8			
	VEGF	1-3 2-H-3	1.08801	0.12020	0.12020	33.49	0.08294	0.05865			7.40065	2-2			
	VEGF	1-4 1-H-24	0.61342	0.03905	0.03905	30.56	0.01687	0.01193			8.97693	2-3			
	VEGF	1-4 1-H-3	1.17591	0.12798	0.12798	33.39	0.07184	0.05080			11.83581	2-4			
	VEGF	1-8 2-H-24	0.23425	0.01969	0.01969	31.71	0.08890	0.06286			7.48040	2-5			
	VEGF	1-8 2-H-3	2.50595	2.75427	2.75427	25.92	0.01857	0.01313			2.97335	2-6			
	VEGFA	2-2 1-H-24	3.82887	2.52206	1.78337	1.78337	42.79	0.20758			38510.59460	2-7			
	VEGFA	2-2 1-H-3	7.40065	1.25467	0.88719	0.88719	41.23	0.00823			14506.67186	2-8			
	VEGFA	2-3 2-H-24	1.59329	0.21326	0.15080	0.15080	41.92	0.00554			15697.98898	3-2			
	VEGFA	2-3 2-H-3	8.97693	4.23743	2.99632	2.99632	40.35	0.01590			12867.19428	3-3			
	VEGFA	2-4 1-H-3	11.83581	4.38585	3.10127	3.10127	40.59	0.00859		24 h	1.41843	1-1			
	VEGFA	2-5 2-H-24	1.93158	0.56825	0.40182	0.40182	43.30	0.04407			0.93087	1-2			
	VEGFA	2-5 2-H-3	7.48040	1.29674	0.91694	0.91694	41.32	0.11036			1.59192	1-3			
	VEGFA	2-6 1-H-24	1.97453	0.32465	0.22956	0.22956	43.74	0.01224			0.61342	1-4			
	VEGFA	2-6 1-H-3	2.97335	0.20348	0.14388	0.14388	41.26	0.01247			0.23425	1-8			
	VEGFA	2-7 2-H-24	8410.76764	30104.60914	#####	#####	30.14	0.00996			3.82887	2-2			
	VEGFA	2-7 2-H-3	38510.59460	124916.39490	#####	#####	25.28	0.00628			1.59329	2-3			
	VEGFA	2-8 1-H-24	7971.01507	27625.29732	#####	#####	27.91	0.02821			15686156.68882	2-4			

VEGFA	2-8 1-H-3	14506.67186	49857.09374	#####	#####	26.62	0.00766			1.93158	2-5		
VEGFA	3-2 1-H-24	28346.28808	97270.31568	#####	#####	25.99	0.02924			1.97453	2-6		
VEGFA	3-2 1-H-3	15697.98898	54090.67476	#####	#####	25.81	0.08140			8410.76764	2-7		
VEGFA	3-3 2-H-24	2844.87345	9579.39691	#####	#####	30.41	0.01021			7971.01507	2-8		
VEGFA	3-3 2-H-3	12867.19428	44580.78514	#####	#####	28.21	0.02417			28346.28808	3-2		
VEGFA	3-4 1-H-24	4209.14645	13142.35206	#####	#####	39.04	0.00000			2844.87345	3-3		
VEGFA	3-4 1-H-3									4209.14645	3-4	1049196.85978	

Target	Sample	Expression	Expression SEM	Corrected Expression SEM	Mean Cq	Cq SD	Cq SEM				Total		SE
VEGF	1-1-B	1.39418	0.11046	0.11046	29.20	0.01660	0.01173	VEGF	1.39	1-1		VEGF	
VEGFA	1-2 B	2.30248	0.25183	0.17807	0.17807	44.36	0.01460		2.30	1-2		Baseline	1197.86279
VEGF	1-3-B	1.81420	1.46318	1.46318	31.07	0.11133	0.07872		1.81	1-3			
VEGF	1-4-B	0.83906	0.07161	0.07161	31.64	0.01450	0.01025		0.84	1-4			
VEGF	1-8-B	1.12977	0.08369	0.08369	27.56	0.06366	0.04501		1.13	1-8			
VEGFA	2-2-B	3.17120	0.66539	0.47050	0.47050	45.29	0.01468		3.17	2-2			
VEGFA	2-3-B	3.31763	0.97310	0.68809	0.68809	42.20	0.00475		3.32	2-3			
VEGFA	2-4-B	1.67125	0.42019	0.29712	0.29712	43.08	0.00741		1.67	2-4			
VEGFA	2-5-B	0.97644	0.23364	0.16521	0.16521	47.18	0.13497		0.98	2-5			
VEGFA	2-6-B	2.66812	0.20392	0.14419	0.14419	41.94	0.05119		2.67	2-6			

B. qPCR CD34

	Target	Sample	Expression	Expression SEM	Corrected Expression SEM	Mean Cq	Cq SD	Cq SEM					Mean		SE
A	CD34	1-1 1-H-24	152.57381	12.91454	12.91454	29.40	0.01408	0.00996	CD34	3 h	75.40082	1-1	CD34	A	
	CD34	1-1 1-H-3	75.40082	6.30324	6.30324	30.79	0.09151	0.06471			18.32673	1-2	3 h	6.23228941	
	CD34	1-2 2-H-24	14.17081	3.59940	2.54516	2.54516	30.83	0.14180			60.35149	1-3	24 h	16.5513166	
	CD34	1-2 2-H-3	18.32673	8.49899	6.00969	6.00969	30.45	0.08668			46.42050	1-4			
	CD34	1-3 1-H-24	138.56622	16.24927	16.24927	32.90	0.01011	0.00715			47.85174	1-8			
	CD34	1-3 1-H-3	60.35149	6.19522	6.19522	33.50	0.17072	0.12072			14.23570	2-2			
	CD34	1-4 2-H-24	180.28585	17.61122	17.61122	30.60	0.07718	0.05457			12.58261	2-3			
	CD34	1-4 2-H-3	46.42050	3.27445	3.27445	29.97	0.10115	0.07152			26.84392	2-4			
	CD34	1-8 1-H-24	66.23703	4.92120	4.92120	28.68	0.01497	0.01058			7.31015	2-5			
	CD34	1-8 1-H-3	47.85174	5.06131	5.06131	30.63	0.17363	0.12278			18.90848	2-6			
	CD34	2-2 2-H-24	13.10936	0.77599	0.54871	0.54871	28.41	0.01643			7.95917	2-7			
	CD34	2-2 2-H-3	14.23570	0.98127	0.69386	0.69386	28.32	0.00894			7.98346	2-8			
	CD34	2-3 1-H-24	9.44277	1.15355	0.81568	0.81568	30.45	0.03886			2.42886	3-2			
	CD34	2-3 1-H-3	12.58261	2.30780	1.63186	1.63186	28.84	0.17762			2.54991	3-3			
	CD34	2-4 2-H-24	16.80384	1.41823	1.00284	1.00284	30.45	0.07629			0.00000	3-4	24.93954		
	CD34	2-4 2-H-3	26.84392	11.00096	7.77885	7.77885	29.15	0.20212		24 h	152.57381	1-1			
	CD34	2-5 1-H-24	2.63427	1.73050	1.22365	1.22365	33.92	0.04741			14.17081	1-2			
	CD34	2-5 1-H-3	7.31015	5.21403	3.68688	3.68688	34.24	0.01711			138.56622	1-3			
	CD34	2-6 2-H-24	35.62643	18.80512	13.29723	13.29723	27.66	0.00633			180.28585	1-4			
	CD34	2-6 2-H-3	18.90848	1.27354	1.27354	1.27354	30.33	0.00000			66.23703	1-8			
	CD34	2-7 1-H-24	5.86474	19.64145	13.88860	13.88860	29.28	0.02122			13.10936	2-2			
	CD34	2-7 1-H-3	7.95917	26.62257	18.82500	18.82500	26.77	0.00028			9.44277	2-3			
	CD34	2-8 2-H-24	3.89595	14.04698	9.93272	9.93272	29.72	0.04241			16.80384	2-4			
	CD34	2-8 2-H-3	7.98346	27.79206	19.65195	19.65195	27.26	0.00997			2.63427	2-5			
	CD34	3-2 2-H-24	3.34669	11.98570	8.47517	8.47517	29.42	0.01114			35.62643	2-6			

	CD34	3-2 2-H-3	2.42886	8.36695	5.91633	5.91633	29.82	0.05618			5.86474	2-7		
	CD34	3-3 1-H-24	2.79362	9.64653	6.82113	6.82113	30.53	0.02346			3.89595	2-8		
	CD34	3-3 1-H-3	2.54991	8.75397	6.18999	6.18999	30.13	0.13617			3.34669	3-2		
	CD34	3-4 2-H-24									2.79362	3-3		
	CD34	3-4 2-H-3									0.00000	3-4	46.09653	

	Target	Sample	Expression	Expression SEM	Corrected Expression SEM	Mean Cq	Cq SD	Cq SEM						SE
B	CD34	1-1 2-H-24	98.61672	15.84530	15.84530	32.77	0.27447	0.19408	CD34	3 h	134.72779	1-1	CD34	B
	CD34	1-1 2-H-3	134.72779	21.52785	21.52785	30.99	0.27484	0.19434			7.96019	1-2	3 h	9.29192342
	CD34	1-2 1-H-24	8.31337	1.26269	0.89286	0.89286	30.37	0.09956			55.51776	1-3	24 h	9.02109672
	CD34	1-2 1-H-3	7.96019	3.50470	2.47819	2.47819	30.18	0.02791			8.37115	1-4		
	CD34	1-3 2-H-24	101.57041	16.24161	16.24161	31.46	0.25455	0.17999			44.30040	1-8		
	CD34	1-3 2-H-3	55.51776	6.58347	6.58347	34.23	0.12086	0.08546			26.64071	2-2		
	CD34	1-4 1-H-24	24.99417	2.36942	2.36942	31.63	0.14432	0.10205			9.55029	2-3		
	CD34	1-4 1-H-3	8.37115	2.73506	2.73506	36.97	0.63263	0.44733			12.30308	2-4		
	CD34	1-8 2-H-24	54.95797	5.65261	5.65261	30.25	0.15013	0.10616			34.40357	2-5		
	CD34	1-8 2-H-3	44.30040	48.68937	48.68937	28.19	0.01249	0.00883			14.42253	2-6		
	CD34	2-2 1-H-24	0.07173	0.04494	0.04494	0.04494	38.62	0.00000			5.12167	2-7		
	CD34	2-2 1-H-3	26.64071	4.99432	3.53152	3.53152	29.48	0.08204			6.16446	2-8		
	CD34	2-3 2-H-24	22.95207	4.01265	2.83737	2.83737	28.17	0.11487			1.92646	3-2		
	CD34	2-3 2-H-3	9.55029	4.56271	3.22632	3.22632	30.36	0.07686			2.42122	3-3		
	CD34	2-4 1-H-24									0.00000	3-4	25.98795	
	CD34	2-4 1-H-3	12.30308	4.61016	3.25988	3.25988	30.63	0.05743		24 h	98.61672	1-1		
	CD34	2-5 2-H-24	8.75640	2.64773	1.87223	1.87223	31.21	0.08382			8.31337	1-2		
	CD34	2-5 2-H-3	34.40357	4.70391	3.32617	3.32617	29.22	0.01901			101.57041	1-3		
	CD34	2-6 1-H-24	23.85134	4.15160	2.93563	2.93563	30.23	0.05955			24.99417	1-4		
	CD34	2-6 1-H-3	14.42253	1.62629	1.14996	1.14996	29.07	0.09227			54.95797	1-8		

	CD34	2-7 2-H-24	9.18219	32.86650	23.24012	23.24012	30.07	0.02670			0.07173	2-2		
	CD34	2-7 2-H-3	5.12167	16.61502	11.74860	11.74860	28.25	0.05073			22.95207	2-3		
	CD34	2-8 1-H-24	6.63427	22.99195	16.25777	16.25777	28.23	0.01400			0.00000	2-4		
	CD34	2-8 1-H-3	6.16446	21.18833	14.98241	14.98241	27.91	0.04977			8.75640	2-5		
	CD34	3-2 1-H-24	2.76772	9.49817	6.71622	6.71622	29.40	0.05258			23.85134	2-6		
	CD34	3-2 1-H-3	1.92646	6.63643	4.69267	4.69267	28.89	0.02726			9.18219	2-7		
	CD34	3-3 2-H-24	4.29535	14.46605	10.22904	10.22904	29.87	0.06507			6.63427	2-8		
	CD34	3-3 2-H-3	2.42122	8.38947	5.93225	5.93225	30.68	0.05158			2.76772	3-2		
	CD34	3-4 1-H-24	3.38193	10.55952	10.55952	10.55952	39.41	0.00000			4.29535	3-3		
	CD34	3-4 1-H-3									3.38193	3-4	26.45326	

Target	Sample	Expression	Expression SEM	Corrected Expression SEM	Mean Cq	Cq SD	Cq SEM				Total		SE
CD34	1-1-B	85.34681	7.37657	7.37657	29.68	0.07240	0.05119	CD34	85.34681	1-1		CD34	
CD34	1-2 B	6.95773	2.39065	1.69045	1.69045	32.86	0.33261		6.95773	1-2		Baseline	6.37240125
CD34	1-3-B	57.01785	46.16168	46.16168	32.51	0.18207	0.12874		57.01785	1-3			
CD34	1-4-B	43.09943	3.67812	3.67812	32.37	0.01443	0.01020		43.09943	1-4			
CD34	1-8-B	1.43750	0.09858	0.09858	33.63	0.02800	0.01980		1.43750	1-8			
CD34	2-2-B	50.68924	12.76959	9.02947	9.02947	31.38	0.14298		50.68924	2-2			
CD34	2-3-B	26.13045	7.66341	7.66341	7.66341	29.31	0.00000		26.13045	2-3			
CD34	2-4-B	29.05234	7.62823	5.39397	5.39397	29.06	0.07756		29.05234	2-4			
CD34	2-5-B	11.17289	3.28051	2.31967	2.31967	33.76	0.21988		11.17289	2-5			
CD34	2-6-B	19.63497	2.00369	1.41682	1.41682	29.16	0.08590		19.63497	2-6			
CD34	2-7-B	9.00516	29.36896	20.76699	20.76699	28.10	0.03494		9.00516	2-7			
CD34	2-8-B	6.16213	21.98983	15.54916	15.54916	28.46	0.01001		6.16213	2-8			
CD34	3-2-B	1.89846	6.58018	4.65289	4.65289	30.24	0.14483		1.89846	3-2			
CD34	3-3-B	11.46983	32.88878	32.88878	32.88878	39.31	0.00000		11.46983	3-3			

CD34	3-4-B	4.10383	14.72663	10.41330	10.41330	30.97	0.07017		4.10383	3-4	24.21191		
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C. Cell infiltration

No	Subject	Indicators	Baseline	3 h Placebo	24 h Placebo	3 h Cordyceps	24 h Cordyceps
1	1-2	Infiltrated area (mm2)	0.00921881	0.00578954	0.00495719	0.00227124	0.01875478
		Total area (mm2)	1.62941724	5.17306966	5.92001442	5.40530267	7.13069493
		Infiltrated area (%)	0.565773442	0.111916915	0.083736114	0.042018739	0.263014758
2	1-3	Infiltrated area (mm2)	0.01495178	0.03978045	0.01819606	0.04694459	0.04548936
		Total area (mm2)	6.29738298	9.81569387	5.31181314	4.12987908	8.54321509
		Infiltrated area (%)	0.237428469	0.405273947	0.34255836	1.136706162	0.532461837
3	1-4	Infiltrated area (mm2)	0.03080232	0.00192706	0.01596501	0.0108443	0.01115539
		Total area (mm2)	3.70003485	6.17313491	6.3358606	4.96362022	2.56479855
		Infiltrated area (%)	0.832487294	0.031216878	0.251978555	0.218475619	0.434942152
4	1-8	Infiltrated area (mm2)	0.00306706	0.02775497	0.00828222	0.0076192	0.02107743
		Total area (mm2)	3.99303991	8.23924618	6.83536896	6.68143224	7.85709185
		Infiltrated area (%)	0.076810151	0.336862977	0.121167124	0.11403543	0.268259941
5	2-2	Infiltrated area (mm2)	0	0.04810474	0.01249742	0.00472501	0.01259259
		Total area (mm2)	2.01702451	5.25899278	4.92523026	3.93897215	7.08908234
		Infiltrated area (%)	0	0.914713939	0.253742857	0.119955405	0.177633569
6	2-3	Infiltrated area (mm2)	0.00973352	0.02727616	0.06364414	0	0.00086522
		Total area (mm2)	3.6186152	6.84505609	3.68891172	4.42535778	5.40441672
		Infiltrated area (%)	0.268984666	0.398479715	1.725282274	0	0.016009498
7	2-4	Infiltrated area (mm2)	0.00205704	0.00748694	0	0.01058925	0.02276793
		Total area (mm2)	3.65792527	3.73427447	5.76139058	2.51599882	4.05510124
		Infiltrated area (%)	0.056235156	0.200492494	0	0.420876588	0.561463911
8	2-5	Infiltrated area (mm2)	0.00793217	0.0026215	0.0020874	0.00368543	0.05289278
		Total area (mm2)	3.54256833	4.02541102	2.17514058	4.73130141	3.43774952



		Infiltrated area (%)	0.223910148	0.065123785	0.095966211	0.077894636	1.538587372
9	2-6	Infiltrated area (mm2)	0.01674337	0.06886716	0	0.0119287	0.00277749
		Total area (mm2)	4.38244955	4.09421303	1.86202419	4.87373694	3.9728009
		Infiltrated area (%)	0.382055054	1.682060985	0	0.244754695	0.06991264
10	2-7	Infiltrated area (mm2)	0.00196803	0.02709859	0.0078249	0.00537023	0.01826856
		Total area (mm2)	2.84859933	4.09223091	4.16622904	6.21160083	4.76741846
		Infiltrated area (%)	0.069087638	0.662196015	0.187817327	0.086454847	0.383196066
11	2-8	Infiltrated area (mm2)	0.00155249	0.00722769	0.02118075	0.00342988	0.02352537
		Total area (mm2)	4.73731501	5.26891274	4.13521027	1.69919971	4.84357705
		Infiltrated area (%)	0.032771517	0.137176119	0.512204909	0.201852671	0.4857024
12	3-2	Infiltrated area (mm2)	0	0.03364238	0.05025349	0.00249527	0
		Total area (mm2)	4.31625169	4.82561162	10.42039782	6.5083153	5.85484201
		Infiltrated area (%)	0	0.697163026	0.482260763	0.038339722	0
13	3-3	Infiltrated area (mm2)	0.0052209	0.04919846	0.00127493	0.0116754	0.00306362
		Total area (mm2)	4.79351896	4.77854585	3.79578608	7.48066184	8.75001033
		Infiltrated area (%)	0.10891581	1.029569696	0.033588036	0.156074426	0.035012759
14	3-4	Infiltrated area (mm2)	0.00258507	0.02574115	0.04421498	0.14225012	0.00690088
		Total area (mm2)	1.93887617	0.53422271	3.32657849	4.90170568	4.22673236
		Infiltrated area (%)	0.133328267	4.818430501	1.329142846	2.902053475	0.163267494

D. Centronucleation

No	Subject	Indicators	Baseline	3 h Placebo	24 h Placebo	3 h Cordyceps	24 h Cordyceps
1	1-2	Centronuclei	10	23	10	28	31
		Total area (mm2)	1.37653186	5.17306966	5.89234391	5.1267876	7.12899424
		Centronucleation (per mm2)	7.264633889	4.446102897	1.697117506	5.46150966	4.348439479
2	1-3	Centronuclei	6	34	22	17	53
		Total area (mm2)	5.83399207	9.64731221	5.18297391	3.61870251	6.83225544
		Centronucleation (per mm2)	1.028455289	3.524297676	4.244667325	4.6978164	7.757321205
3	1-4	Centronuclei	23	13	16	59	27
		Total area (mm2)	2.59987017	5.91394871	5.30518556	4.49415349	2.56479855
		Centronucleation (per mm2)	8.846595598	2.198192889	3.015917128	13.12816755	10.52714257
4	1-8	Centronuclei	6	32	37	47	24
		Total area (mm2)	3.99303991	8.23924618	6.83536896	6.67823144	7.6213402
		Centronucleation (per mm2)	1.502614583	3.883850452	5.413021626	7.037791431	3.149052446
5	2-2	Centronuclei	12	24	16	22	16
		Total area (mm2)	2.01702451	3.4861888	4.63252968	3.65741853	7.08908234
		Centronucleation (per mm2)	5.949357551	6.884308733	3.453836479	6.015171581	2.2569917
6	2-3	Centronuclei	13	33	14	11	49
		Total area (mm2)	3.6186152	6.58367292	3.46645653	4.41004241	5.40441672
		Centronucleation (per mm2)	3.592534514	5.012399674	4.03870635	2.494307079	9.066658353
7	2-4	Centronuclei	18	67	51	6	8
		Total area (mm2)	3.64047209	3.30117588	5.68092468	2.30719967	4.05088261
		Centronucleation (per mm2)	4.944413679	20.29579836	8.977411755	2.600555157	1.97487826
8	2-5	Centronuclei	17	16	15	36	9
		Total area (mm2)	3.54256833	4.02541102	2.14629719	4.44931906	3.02521641

		Centronucleation (per mm2)	4.798778292	3.974749391	6.988780524	8.091125746	2.974993779
9	2-6	Centronuclei	24	40	8	22	10
		Total area (mm2)	4.25786473	4.09421303	1.86202419	4.87373694	3.9728009
		Centronucleation (per mm2)	5.636628104	9.769887328	4.296399608	4.513990039	2.517115821
10	2-7	Centronuclei	21	19	36	33	37
		Total area (mm2)	2.83349213	4.09223091	4.16950934	6.21160083	4.76741846
		Centronucleation (per mm2)	7.41134933	4.642944257	8.634109451	5.312640156	7.761013704
11	2-8	Centronuclei	42	18	9	15	68
		Total area (mm2)	4.68415229	5.26891274	4.11772442	1.69723821	4.84357705
		Centronucleation (per mm2)	8.966403609	3.416264586	2.185673222	8.837887287	14.03921096
12	3-2	Centronuclei	41	38	92	24	17
		Total area (mm2)	4.31625169	4.71668165	9.71023889	6.5083153	5.82176278
		Centronucleation (per mm2)	9.498982669	8.05651151	9.474535183	3.687590243	2.920077757
13	3-3	Centronuclei	6	147	3	27	11
		Total area (mm2)	4.81662221	4.67519842	3.79578608	7.47263625	8.71309291
		Centronucleation (per mm2)	1.245686238	31.44251576	0.790350124	3.613182697	1.262467888
14	3-4	Centronuclei	18	18	89	81	107
		Total area (mm2)	1.93887617	0.33402469	2.65673144	3.15326035	4.22673236
		Centronucleation (per mm2)	9.283728522	53.88823203	33.49981058	25.68769813	25.31506395

E. Immunofluorescence whole area

No	Subject						
1	1-2	Baseline	PLA 3 h	PLA 24 h	Baseline	Cordyceps 3 h	Cordyceps 24 h
	CD34+ (µm2)	44476.425	110733.176	247151.663	44476.425	94719.587	262017.306
	Pax7+ (µm2)	7512	23394	40154	7512	24252	110485
	CD34+/Pax7+ (µm2)	501.75	1401.06	5024.87	501.75	7649.50	12231.92
	<b>Total area (µm2)</b>	8041269.16	5761565.28	8915112.23	8041269.16	5966959.61	11979887.9
	CD34+ (%)	0.6	1.9	2.8	0.6	1.6	2.2
	Pax7+ (%)	0.1	0.4	0.5	0.1	0.4	0.9
	CD34+/Pax7+ (%)	0.01	0.02	0.06	0.01	0.13	0.10
	CD34+/Pax7+ to CD34+ (%)	1.1	1.3	2.0	1.1	8.1	4.7
2	1-3	Baseline	PLA 3 h	PLA 24 h	Baseline	Cordyceps 3 h	Cordyceps 24 h
	CD34+ (µm2)	25535.488	41830.479	154945.812	25535.488	150276.677	282525.12
	Pax7+ (µm2)	4980	9745	42637.767	4980	25735	77495
	CD34+/Pax7+ (µm2)	411.46	942.36	38110.65	411.46	4845.02	25417.08
	<b>Total area (µm2)</b>	1752539.93	3674745.23	6966003.92	1752539.93	6686838.54	12535791
	CD34+ (%)	1.5	1.1	2.2	1.5	2.2	2.3
	Pax7+ (%)	0.3	0.3	0.6	0.3	0.4	0.6
	CD34+/Pax7+ (%)	0.0	0.0	0.5	0.0	0.1	0.2
	CD34+/Pax7+ to CD34+ (%)	1.6	2.3	24.6	1.6	3.2	9.0
3	1-4	Baseline	PLA 3 h	PLA 24 h	Baseline	Cordyceps 3 h	Cordyceps 24 h
	CD34+ (µm2)	112043.161	81152.754	120918.462	112043.161	108397.964	167556.653
	Pax7+ (µm2)	5632	52061	33991	5632	10053	14840
	CD34+/Pax7+ (µm2)	1026.54	26983.77	18151.67	1026.54	7878.98	11182
	<b>Total area (µm2)</b>	4522445.1	11633816.9	5661889.07	4522445.1	4120837.44	6210029.85
	CD34+ (%)	2.5	0.7	2.1	2.5	2.6	2.7
	Pax7+ (%)	0.1	0.4	0.6	0.1	0.2	0.2
CD34+/Pax7+ (%)	0.0	0.2	0.3	0.0	0.2	0.2	

	CD34+/Pax7+ to CD34+ (%)	0.9	33.3	15.0	0.9	7.3	6.7
4	1-8	Baseline	PLA 3 h	PLA 24 h	Baseline	Cordyceps 3 h	Cordyceps 24 h
	CD34+ (µm2)	5060.9	24358.211	72518.709	5060.9	62760.104	63912.951
	Pax7+ (µm2)	1124	9857	6402	1124	6393	9811
	CD34+/Pax7+ (µm2)	306.51	160.95	698.39	306.51	3111.04	6713.83
	Total area (µm2)	912104.624	3338566.77	5771620.91	912104.624	8724670.06	8327981.63
	CD34+ (%)	0.6	0.7	1.3	0.6	0.7	0.8
	Pax7+ (%)	0.1	0.3	0.1	0.1	0.1	0.1
	CD34+/Pax7+ (%)	0.0	0.0	0.0	0.0	0.0	0.1
	CD34+/Pax7+ to CD34+ (%)	6.1	0.7	1.0	6.1	5.0	10.5
5	2-2	Baseline	PLA 3 h	PLA 24 h	Baseline	Cordyceps 3 h	Cordyceps 24 h
	CD34+ (µm2)	82437.168	170026.333	133862.701	82437.168	96914.316	59443.199
	Pax7+ (µm2)	2184	12732	3088	2184	10346	18356
	CD34+/Pax7+ (µm2)	205.90	6952.05	361.03	205.90	5085.50	10122.12
	Total area (µm2)	5753614.85	11284077.3	5146106.1	5753614.85	5323004.12	4463382.46
	CD34+ (%)	1.4	1.5	2.6	1.4	1.8	1.3
	Pax7+ (%)	0.0	0.1	0.1	0.0	0.2	0.4
	CD34+/Pax7+ (%)	0.0	0.1	0.0	0.0	0.1	0.2
	CD34+/Pax7+ to CD34+ (%)	0.2	4.1	0.3	0.2	5.2	17.0
6	2-3	Baseline	PLA 3 h	PLA 24 h	Baseline	Cordyceps 3 h	Cordyceps 24 h
	CD34+ (µm2)	29764.355	108531.58	56609.592	29764.355	51625.944	56568.525
	Pax7+ (µm2)	6836	61086	7910	6836	10821	5584
	CD34+/Pax7+ (µm2)	1272.50	3926.87	1273.74	1272.50	4145.60	1888.35
	Total area (µm2)	5753614.85	11284077.3	5146106.1	5753614.85	5323004.12	4463382.46
	CD34+ (%)	0.5	1.0	1.1	0.5	1.0	1.3
	Pax7+ (%)	0.1	0.5	0.2	0.1	0.2	0.1
	CD34+/Pax7+ (%)	0.0	0.0	0.0	0.0	0.1	0.0
	CD34+/Pax7+ to CD34+ (%)	4.3	3.6	2.3	4.3	8.0	3.3
7	2-5	Baseline	PLA 3 h	PLA 24 h	Baseline	Cordyceps 3 h	Cordyceps 24 h

	CD34+ (µm2)	34061.664	39926.796	67985.589	34061.664	182173.411	84626.512
	Pax7+ (µm2)	10062	17568	21169	10062	39701	11328
	CD34+/Pax7+ (µm2)	4268.12	8853.07	8335.65	4268.12	15060.44	7950.52
	<b>Total area (µm2)</b>	5536621.77	5899249.91	5199689.83	5536621.77	7181515.17	8679475.35
	CD34+ (%)	0.6	0.7	1.3	0.6	2.5	1.0
	Pax7+ (%)	0.2	0.3	0.4	0.2	0.6	0.1
	CD34+/Pax7+ (%)	0.1	0.2	0.2	0.1	0.2	0.1
	CD34+/Pax7+ to CD34+ (%)	12.5	22.2	12.3	12.5	8.3	9.4
<b>8</b>	<b>2-6</b>	<b>Baseline</b>	<b>PLA 3 h</b>	<b>PLA 24 h</b>	<b>Baseline</b>	<b>Cordyceps 3 h</b>	<b>Cordyceps 24 h</b>
	CD34+ (µm2)	74955.122	74149.14	46368.437	74955.122	67110.698	38257.878
	Pax7+ (µm2)	42826	13723	9274	42826	17902	11791
	CD34+/Pax7+ (µm2)	11836.49	4360.11	2933.96	11836.49	7693.99	2522.20
	<b>Total area (µm2)</b>	6442765.17	4748665.35	3879830.49	6442765.17	5339827.93	5353865.18
	CD34+ (%)	1.2	1.6	1.2	1.2	1.3	0.7
	Pax7+ (%)	0.7	0.3	0.2	0.7	0.3	0.2
	CD34+/Pax7+ (%)	0.2	0.1	0.1	0.2	0.1	0.0
	CD34+/Pax7+ to CD34+ (%)	15.8	5.9	6.3	15.8	11.5	6.6
<b>9</b>	<b>2-7</b>	<b>Baseline</b>	<b>PLA 3 h</b>	<b>PLA 24 h</b>	<b>Baseline</b>	<b>Cordyceps 3 h</b>	<b>Cordyceps 24 h</b>
	CD34+ (µm2)	37443.927	62052.201	77767.749	37443.927	142540.186	140046.028
	Pax7+ (µm2)	16375	17938	23490	16375	46777	99832
	CD34+/Pax7+ (µm2)	1892.83	8092.78	6760.86	1892.83	15875.56	30754.72
	<b>Total area (µm2)</b>	4071626.91	6896150.54	7142159.79	4071626.91	10807901	10718476.5
	CD34+ (%)	0.9	0.9	1.1	0.9	1.3	1.3
	Pax7+ (%)	0.4	0.3	0.3	0.4	0.4	0.9
	CD34+/Pax7+ (%)	0.0	0.1	0.1	0.0	0.1	0.3
	CD34+/Pax7+ to CD34+ (%)	5.1	13.0	8.7	5.1	11.1	22.0
<b>10</b>	<b>2-8</b>	<b>Baseline</b>	<b>PLA 3 h</b>	<b>PLA 24 h</b>	<b>Baseline</b>	<b>Cordyceps 3 h</b>	<b>Cordyceps 24 h</b>
	CD34+ (µm2)	40780.835	105771.207	80156.732	40780.835	88685.537	56276.839
	Pax7+ (µm2)	8198	30983	14801.844	8198	112172.087	20926

	CD34+/Pax7+ ( $\mu\text{m}^2$ )	5466.78	9185.17	81872.28	5466.78	40276.61	9189.7
	<b>Total area (<math>\mu\text{m}^2</math>)</b>	5795302.41	11018265.5	8875129.38	5795302.41	4776703.21	6301925.18
	CD34+ (%)	0.7	1.0	0.9	0.7	1.9	0.9
	Pax7+ (%)	0.1	0.3	0.2	0.1	2.3	0.3
	CD34+/Pax7+ (%)	0.1	0.1	0.9	0.1	0.8	0.1
	CD34+/Pax7+ to CD34+ (%)	13.4	8.7	102.1	13.4	45.4	16.3
11	3-3	Baseline	PLA 3 h	PLA 24 h	Baseline	Cordyceps 3 h	Cordyceps 24 h
	CD34+ ( $\mu\text{m}^2$ )	60084.575	65489.179	46546.397	60084.575	73060.265	189030
	Pax7+ ( $\mu\text{m}^2$ )	9030	16829	30418	9030	38812	30388
	CD34+/Pax7+ ( $\mu\text{m}^2$ )	1450.42	1418.78	6808.35	1450.42	6562.37	2581.03
	<b>Total area (<math>\mu\text{m}^2</math>)</b>	7232526.45	6477839.39	6704759.16	7232526.45	6577450.32	12727548
	CD34+ (%)	0.8	1.0	0.7	0.8	1.1	1.5
	Pax7+ (%)	0.1	0.3	0.5	0.1	0.6	0.2
	CD34+/Pax7+ (%)	0.0	0.0	0.1	0.0	0.1	0.0
	CD34+/Pax7+ to CD34+ (%)	2.4	2.2	14.6	2.4	9.0	1.4
12	3-4	Baseline	PLA 3 h	PLA 24 h	Baseline	Cordyceps 3 h	Cordyceps 24 h
	CD34+ ( $\mu\text{m}^2$ )	48495.676	40270.204	52977.502	48495.676	173118.437	193288.18
	Pax7+ ( $\mu\text{m}^2$ )	3664	6413	15670	3664	48263	25187
	CD34+/Pax7+ ( $\mu\text{m}^2$ )	781.22	581.78	4480.93	781.22	27291.07	7671.35
	<b>Total area (<math>\mu\text{m}^2</math>)</b>	2116211.46	1872626.3	3763837.45	2116211.46	7321843.44	7320734.42
	CD34+ (%)	2.3	2.2	1.4	2.3	2.4	2.6
	Pax7+ (%)	0.2	0.3	0.4	0.2	0.7	0.3
	CD34+/Pax7+ (%)	0.0	0.0	0.1	0.0	0.4	0.1
	CD34+/Pax7+ to CD34+ (%)	1.6	1.4	8.5	1.6	15.8	4.0

F. Immunofluorescence necrotic area

No	Subject						
1	1-2	Baseline	PLA 3 h	PLA 24 h	Baseline	Cordyceps 3 h	Cordyceps 24 h
	CD34+ ( $\mu\text{m}^2$ )	11911.453	25170.476	65385.153	11911.453	16266.373	43998.989
	CD34+/Pax7+ ( $\mu\text{m}^2$ )	217.83	2681.333	10549.968	217.83	2385.331	4978.497
	CD34+/Pax7+ to CD34+ (%)	1.8	10.7	16.1	1.8	14.7	11.3
2	1-3	Baseline	PLA 3 h	PLA 24 h	Baseline	Cordyceps 3 h	Cordyceps 24 h
	CD34+ ( $\mu\text{m}^2$ )	4655.545	9447.73	38211.805	4655.545	80887.499	112912.314
	CD34+/Pax7+ ( $\mu\text{m}^2$ )	380.137	194.416	2719.658	380.137	3533.349	3817.83
	CD34+/Pax7+ to CD34+ (%)	8.2	2.1	7.1	8.2	4.4	3.4
3	1-4	Baseline	PLA 3 h	PLA 24 h	Baseline	Cordyceps 3 h	Cordyceps 24 h
	CD34+ ( $\mu\text{m}^2$ )	53740.447	54447.013	40036.058	53740.447	26058.514	42823.183
	CD34+/Pax7+ ( $\mu\text{m}^2$ )	1355.712	7961.911	3625.485	1355.712	1886.709	2841.918
	CD34+/Pax7+ to CD34+ (%)	2.5	14.6	9.1	2.5	7.2	6.6
4	1-8	Baseline	PLA 3 h	PLA 24 h	Baseline	Cordyceps 3 h	Cordyceps 24 h
	CD34+ ( $\mu\text{m}^2$ )	1314.822	4753.965	12477.297	1314.822	38279.4	10349.995
	CD34+/Pax7+ ( $\mu\text{m}^2$ )	123.221	7.364	522.779	123.221	310.23	539.243
	CD34+/Pax7+ to CD34+ (%)	9.4	0.2	4.2	9.4	0.8	5.2
5	2-2	Baseline	PLA 3 h	PLA 24 h	Baseline	Cordyceps 3 h	Cordyceps 24 h
	CD34+ ( $\mu\text{m}^2$ )	9006.307	70317.882	47866.255	9006.307	15436.597	18053.911
	CD34+/Pax7+ ( $\mu\text{m}^2$ )	174.224	14375.85	334.267	174.224	1101.478	2636.668
	CD34+/Pax7+ to CD34+ (%)	1.9	20.4	0.7	1.9	7.1	14.6
6	2-3	Baseline	PLA 3 h	PLA 24 h	Baseline	Cordyceps 3 h	Cordyceps 24 h
	CD34+ ( $\mu\text{m}^2$ )	9274.037	62053.646	18626.996	9274.037	8609.819	44340.404
	CD34+/Pax7+ ( $\mu\text{m}^2$ )	109.319	5070.048	891.311	109.319	659.737	173.605
	CD34+/Pax7+ to CD34+ (%)	1.2	8.2	4.8	1.2	7.7	0.4
7	2-5	Baseline	PLA 3 h	PLA 24 h	Baseline	Cordyceps 3 h	Cordyceps 24 h



	CD34+ (µm2)	7222.975	3585.187	42679.639	7222.975	70447.642	37204.408
	CD34+/Pax7+ (µm2)	33.334	107.766	6309.366	33.334	14294.993	1466.265
	CD34+/Pax7+ to CD34+ (%)	0.5	3.0	14.8	0.5	20.3	3.9
8	2-6	Baseline	PLA 3 h	PLA 24 h	Baseline	Cordyceps 3 h	Cordyceps 24 h
	CD34+ (µm2)	59286.401	26027.443	7227.392	59286.401	25933.689	12553.466
	CD34+/Pax7+ (µm2)	12136.242	7174.189	246.82	12136.242	5348.8	720.818
	CD34+/Pax7+ to CD34+ (%)	20.5	27.6	3.4	20.5	20.6	5.7
9	2-7	Baseline	PLA 3 h	PLA 24 h	Baseline	Cordyceps 3 h	Cordyceps 24 h
	CD34+ (µm2)	8499.539	3723.01	46064.885	8499.539	59698.283	57360.032
	CD34+/Pax7+ (µm2)	353.861	519.687	2594.502	353.861	5363.207	22095.385
	CD34+/Pax7+ to CD34+ (%)	4.2	14.0	5.6	4.2	9.0	38.5
10	2-8	Baseline	PLA 3 h	PLA 24 h	Baseline	Cordyceps 3 h	Cordyceps 24 h
	CD34+ (µm2)	6762.507	29071.286	23596.699	6762.507	20652.866	20551.237
	CD34+/Pax7+ (µm2)	672.9	7632.708	486.147	672.9	3074.824	185.824
	CD34+/Pax7+ to CD34+ (%)	10.0	26.3	2.1	10.0	14.9	0.9
11	3-3	Baseline	PLA 3 h	PLA 24 h	Baseline	Cordyceps 3 h	Cordyceps 24 h
	CD34+ (µm2)	8292.661	58900.167	12743.601	8292.661	41820.814	73388.169
	CD34+/Pax7+ (µm2)	130.544	1697.16	2411.761	130.544	8741.288	3582.936
	CD34+/Pax7+ to CD34+ (%)	1.6	2.9	18.9	1.6	20.9	4.9
12	3-4	Baseline	PLA 3 h	PLA 24 h	Baseline	Cordyceps 3 h	Cordyceps 24 h
	CD34+ (µm2)	8414.268	32799.589	27074.337	8414.268	127297.8	40553.376
	CD34+/Pax7+ (µm2)	54.661	2003.572	3186.24	54.661	9547.745	12676.422
	CD34+/Pax7+ to CD34+ (%)	0.6	6.1	11.8	0.6	7.5	31.3