

FIG. 1

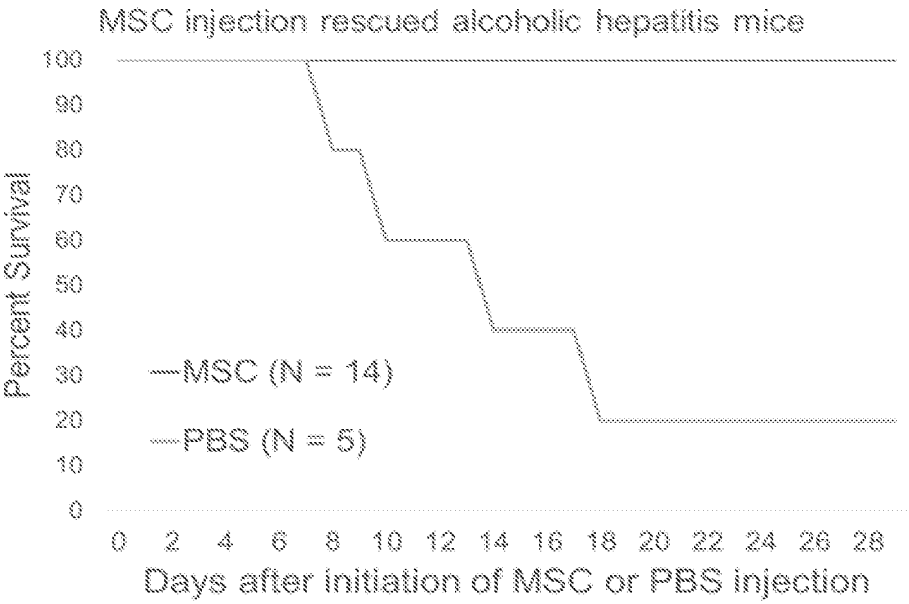


FIG. 2

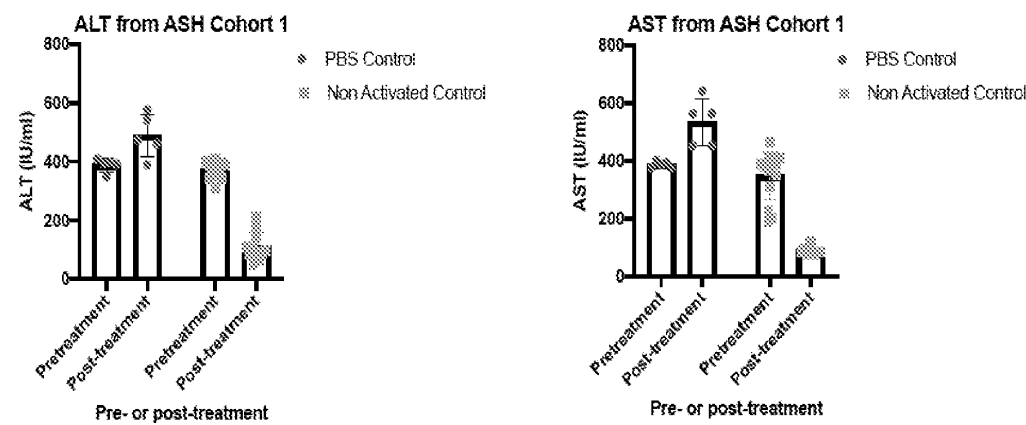


FIG. 3

FRG mouse survival data in the presence or absence of MSC injection

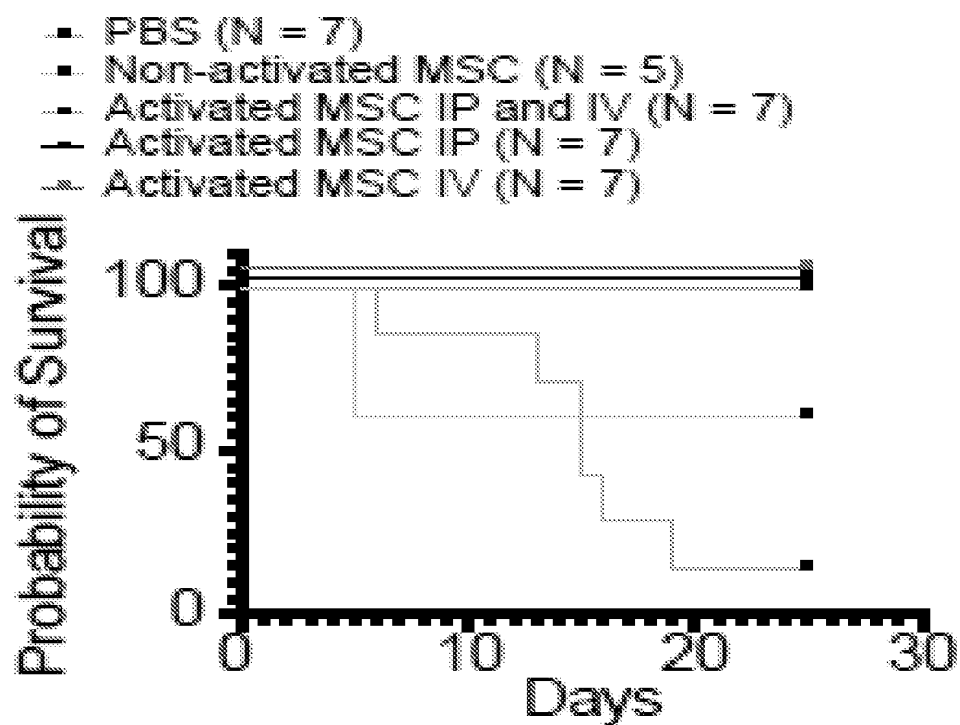


FIG. 4

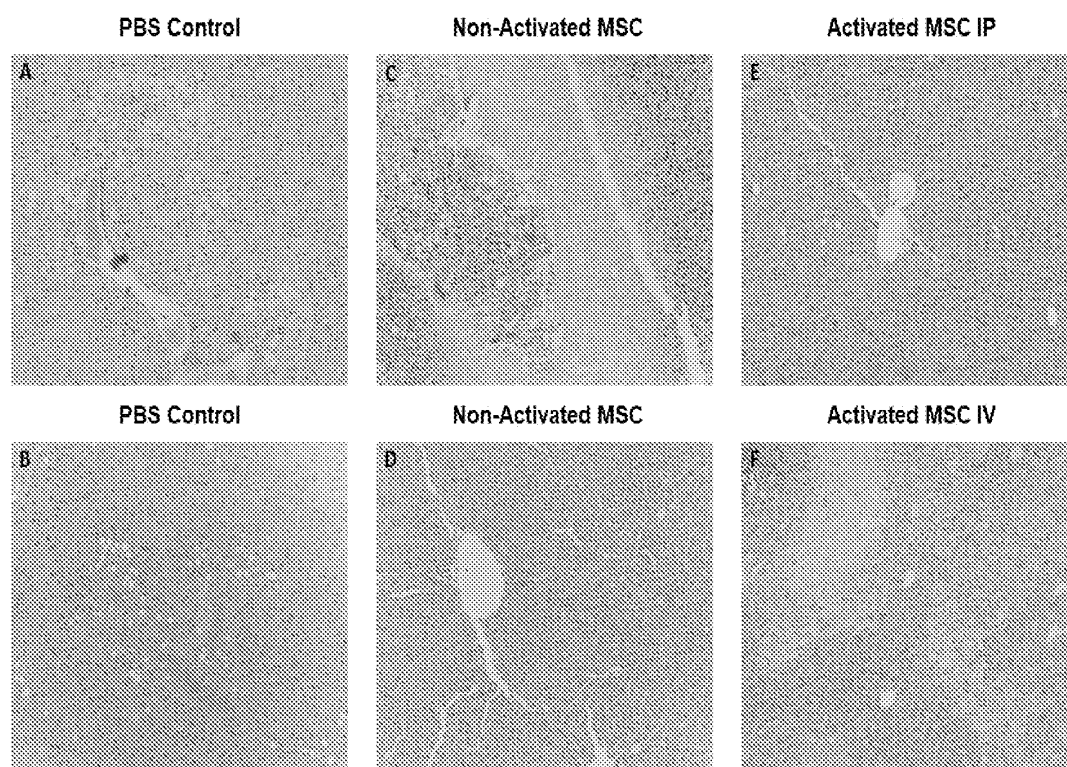


FIG. 5

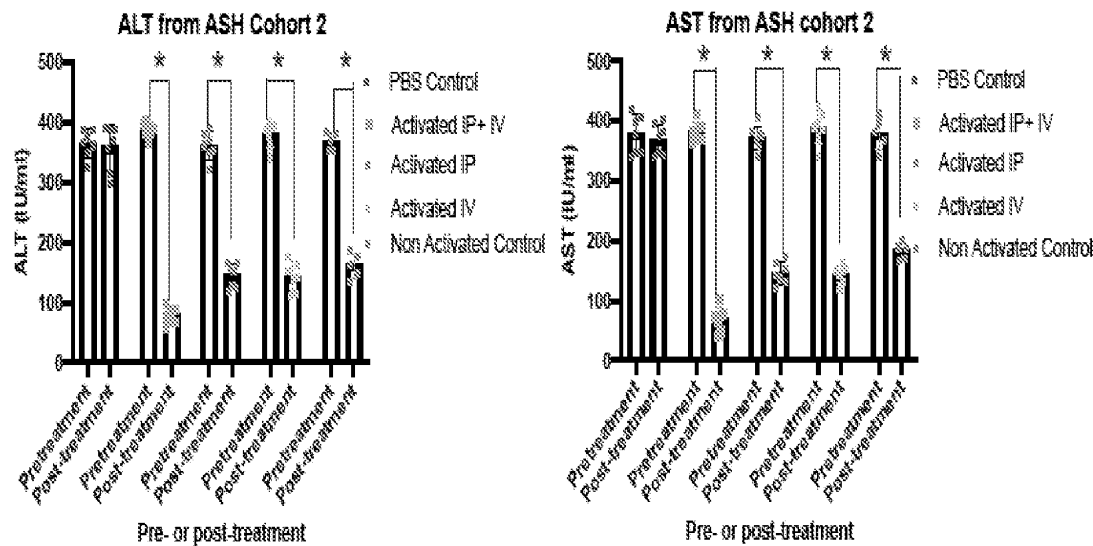


FIG. 6

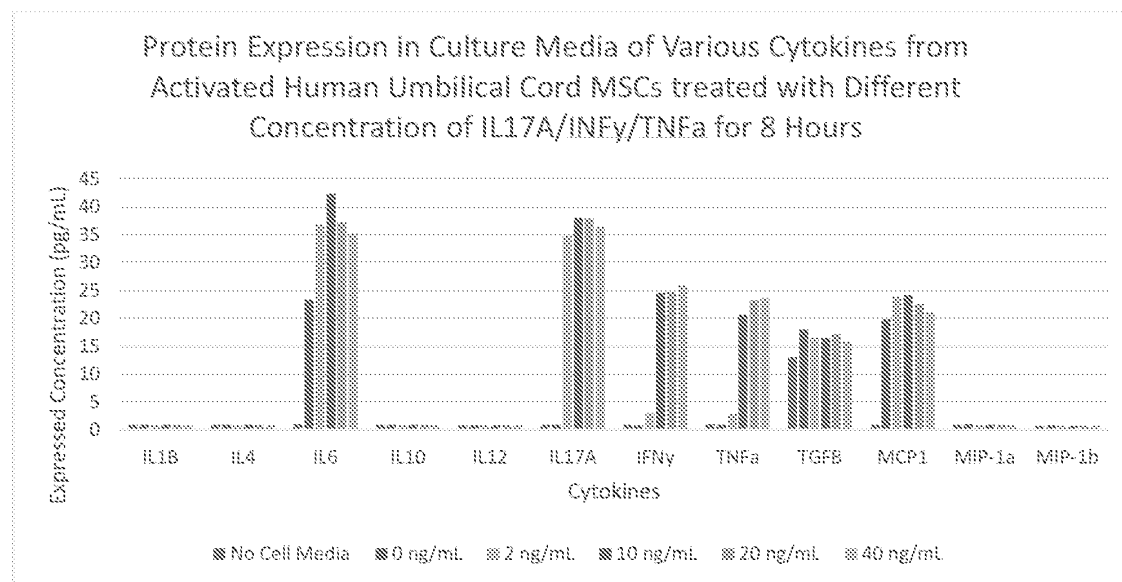


FIG. 7

Accession No.	Doctor	Owner	Pet Name		
CHAV00156244	Alloosh	Alloosh-Corvus	2846		
Test	Results	Adult Reference Range	L	Normal	H
Superchem					
Total Protein	7.6	5.5-7.5 g/dL	HIGH		
Albumin	4.8	2.4-3.3 g/dL	HIGH		
Globulin	3.0	2.0-4.0 g/dL			
A/G Ratio	1.5	0.5-1.0	HIGH		
AST (SGOT)	31	10-100 IU/L			
ALT (SGPT)	47	10-100 IU/L			
Alk Phosphatase	95	100-250 IU/L	LOW		
GGT	90	IU/L			
Result Verified					
Total Bilirubin	0.1	0.0-1.0 mg/dL			
BUN	16	10-22 mg/dL			
Creatinine	1.3	0.1-2.0 mg/dL			
BUN/Creatinine Ratio	12				
Phosphorus	6.8	3.0-5.5 mg/dL	HIGH		
Glucose	60	70-120 mg/dL			
CALCIUM	10.3	7.2-11.5 mg/dL			
Magnesium	2.4	mEq/L			
Sodium	141	138-150 mEq/L			
Potassium	6.1	3.5-5.5 mEq/L	HIGH		
NA/K RATIO	23	27-35	LOW		
Chloride	100	109-115 mEq/L	LOW		
Cholesterol	85	100-200 mg/dL	LOW		
TRIGLYCERIDE	39	mg/dL			
Amylase	860	1000-2500 IU/L	LOW		
PrecisionPSL	7	U/L			
CPK	537	100-400 IU/L	HIGH		
Complete Blood Count					
WBC	12.0	9.6-25.2 $10^9/\mu\text{L}$			
RBC	6.4	4.9-7.9 $10^6/\mu\text{L}$	HIGH		

FIG. 9

Accession No	Doctor	Owner	Pet Name		
CHAY00158374	Alloosh	Alloosh	2846		
Test	Results	Adult Reference Range	L	Normal	H
Superchem					
Total Protein	6.8	5.0-7.0 g/dL			
Albumin	3.8	2.4-3.3 g/dL	HIGH		
Globulin	3.0	2.0-4.0 g/dL			
A/G Ratio	1.3	0.5-1.0	HIGH		
AST (SGOT)	25	10-100 IU/L			
ALT (SGPT)	34	10-100 IU/L			
Alk Phosphatase	81	100-250 IU/L	LOW		
GGT	43	IU/L			
Result Verified					
Total Bilirubin	0.1	0.0-1.0 mg/dL			
BUN	13	10-22 mg/dL			
Creatinine	1.3	0.1-2.0 mg/dL			
BUN/Creatinine Ratio	10				
Phosphorus	8.5	3.0-5.5 mg/dL	HIGH		
Glucose	79	70-120 mg/dL			
CALCIUM	9.7	7.2-11.5 mg/dL			
Magnesium	1.9	mEq/L			
Sodium	143	138-150 mEq/L			
Potassium	5.3	3.5-5.5 mEq/L			
NA/K RATIO	27	27-35			
Chloride	104	103-115 mEq/L	LOW		
Cholesterol	81	100-200 mg/dL	LOW		
TRIGLYCERIDE	23	mg/dL			
Amylase	797	1000-2500 IU/L	LOW		
PrecisionPSL	7	U/L			
CPK	352	100-400 IU/L			
Complete Blood Count					
WBC	10.1	9.6-25.2 $10^3/\mu\text{L}$			
RBC	7.0	4.9-7.9 $10^6/\mu\text{L}$			

FIG. 10

Accession No. CHAV00158374		Doctor Alloosh	Owner Alloosh	Pet Name 2846	
Test	Results	Adult Reference Range	L	Normal	H
HGB	14.8	8.1-11.8 g/dL	HIGH		
HCT	48	38-46 %	HIGH		
MCV	64	44-65 fL			
MCH	21.0	12.4-19.3 pg	HIGH		
MCHC	33	27.4-31.4 g/dL	HIGH		
Blood Parasites	None Seen				
RBC Comment					
RBC Morphology	Normal				
Platelet Count	269	200-600 $10^3/\mu\text{L}$			
Platelet Estimate	Adequate				
Differential	Absolute	%			
Neutrophils	4141	41	2300-11900 $/\mu\text{L}$		
Bands		0	0-2 %		
Lymphocytes	5151	51	400-12500 $/\mu\text{L}$		
Monocytes	767	7	50-2300 $/\mu\text{L}$		
Eosinophils	0	0	0-500 $/\mu\text{L}$		
Basophils	0	0	$/\mu\text{L}$		
Unclassified		1			

FIG. 11

Accession No.	Doctor	Owner	Pet Name		
CHAV00156226	Alloosh	Alloosh-Corvus	2848		
Test	Results	Adult Reference Range	L	Normal	H
Superchem					
Total Protein	6.7	5.0-7.0 g/dL			
Albumin	3.8	2.4-3.3 g/dL	HIGH		
Globulin	2.8	2.0-4.0 g/dL			
A/G Ratio	1.4	0.5-1.5	HIGH		
AST (SGOT)	26	10-100 IU/L			
ALT (SGPT)	38	10-100 IU/L			
Alk Phosphatase	73	100-250 IU/L	LOW		
GGT	69	IU/L			
Result Verified					
Total Bilirubin	0.1	0.0-1.0 mg/dL			
BUN	14	10-22 mg/dL			
Creatinine	1.4	0.1-2.0 mg/dL			
BUN/Creatinine Ratio	10				
Phosphorus	6.6	3.0-5.5 mg/dL	HIGH		
Glucose	77	70-120 mg/dL			
CALCIUM	9.2	7.2-11.5 mg/dL			
Magnesium	1.9	mEq/L			
Sodium	141	138-150 mEq/L			
Potassium	4.1	3.5-5.5 mEq/L			
NA/K RATIO	34	27-35			
Chloride	99	109-115 mEq/L	LOW		
Cholesterol	72	100-200 mg/dL	LOW		
TRIGLYCERIDE	23	mg/dL			
Amylase	1465	1000-2500 IU/L			
PrecisionPSL	7	U/L			
CPK	438	100-400 IU/L	HIGH		
Complete Blood Count					
WBC	8.1	9.8-25.2 $10^3/\mu\text{L}$	LOW		
RBC	6.8	4.9-7.9 $10^6/\mu\text{L}$			

FIG. 12

Accession No. CHAV0015622#		Doctor Alloosh	Owner Alloosh-Cervus	Pet Name 2848		
Test	Results	Adult Reference Range		L	Normal	H
HGB	14.7	8.1-11.3 g/dL		HIGH		
HCT	44	28-46 %		HIGH		
MCV	64	44-65 fL				
MDH	21.7	12.4-19.3 pg		HIGH		
MCHC	34	27.4-31.4 g/dL		HIGH		
Blood Parasites	None Seen					
RBC Comment						
RBC Morphology Normal						
Platelet Count	204	200-600 10 ³ /μL				
Platelet Estimate	Adequate					
Differential	Absolute					
Neutrophils	2340	29 2300-11900 /μL				
Bands		0 0-2 %				
Lymphocytes	4641	61 400-12500 /μL				
Monocytes	486	6 50-2300 /μL				
Eosinophils	324	4 0-500 /μL				
Basophils	0	0 /μL				

FIG. 13

Accession No. CHAY00158353	Doctor Alloosh	Owner Alloosh	Pet Name 2848		
Test	Results	Adult Reference Range	L	Normal	H
Superchem					
Total Protein	6.6	5.0-7.0 g/dL			
Albumin	3.8	2.4-3.3 g/dL	HIGH		
Globulin	2.8	2.0-4.0 g/dL			
A/G Ratio	1.4	0.5-1.0	HIGH		
AST (SGOT)	20	10-100 IU/L			
ALT (SGPT)	24	10-100 IU/L			
Alk Phosphatase	54	100-250 IU/L	LOW		
GGT	57	IU/L			
Result Verified					
Total Bilirubin	0.1	0.0-1.0 mg/dL			
BUN	14	10-22 mg/dL			
Creatinine	1.2	0.1-2.0 mg/dL			
BUN/Creatinine Ratio	12				
Phosphorus	8.1	3.0-5.5 mg/dL	HIGH		
Glucose	62	70-120 mg/dL	LOW		
CALCIUM	8.9	7.2-11.5 mg/dL			
Magnesium	1.8	mEq/L			
Sodium	142	138-150 mEq/L			
Potassium	4.6	3.5-5.5 mEq/L			
NA/K RATIO	31	27-35			
Chloride	103	103-115 mEq/L	LOW		
Cholesterol	68	100-200 mg/dL	LOW		
TRIGLYCERIDE	18	mg/dL			
Amylase	1158	1000-2500 IU/L			
PrecisionPSL	5	U/L			
CPK	283	100-400 IU/L			
Complete Blood Count					
WBC	8.4	3.6-25.2 10 ⁶ /μL	LOW		
RBC	6.5	4.0-7.9 10 ⁶ /μL			

FIG. 14

Accession No.		Doctor	Owner	Pet Name		
CHAV001593443		Alloosh	Alloosh	2949		
Test	Results	Adult Reference Range	L	Normal	H	
HGB	13.8	8.1-11.9 g/dL	HIGH			
HCT	42	28-40 %	HIGH			
MCV	65	44-65 fL				
MCH	21.5	12.4-19.3 pg	HIGH			
MCHC	33	27.4-31.4 g/dL	HIGH			
Blood Parasites	None Seen					
RBC Comment	RBC Morphology Normal					
Platelet Count	198	200-800 $10^3/\mu\text{L}$	LOW			
Platelet count reflects the minimum number due to platelet clumping						
Platelet Estimate	Adequate					
Differential	Absolute	%				
Neutrophils	3444	41	2300-11900 $/\mu\text{L}$			
Bands		0	0-2 %			
Lymphocytes	3864	46	400-12500 $/\mu\text{L}$			
Monocytes	924	11	50-2300 $/\mu\text{L}$			
Eosinophils	84	1	0-500 $/\mu\text{L}$			
Basophils	0	0	$/\mu\text{L}$			
Unclassified		1				

FIG. 15

Accession No. CHAV00156235	Doctor Alloosh	Owner Alloosh	Pet Name 2859		
Test	Results	Adult Reference Range	L	Normal	H
Superchem					
Total Protein	7.2	5.0-7.9 g/dL	HIGH		
Albumin	3.8	2.4-3.3 g/dL	HIGH		
Globulin	3.4	2.0-4.0 g/dL			
A/G Ratio	1.1	0.5-1.0	HIGH		
AST (SGOT)	30	10-100 IU/L			
ALT (SGPT)	34	10-100 IU/L			
Alk Phosphatase	50	100-250 IU/L	LOW		
GGT	54	IU/L	HIGH		
Result Verified					
Total Bilirubin	0.1	0.0-1.0 mg/dL			
BUN	15	10-22 mg/dL			
Creatinine	1.4	0.1-2.0 mg/dL			
BUN/Creatinine Ratio	11				
Phosphorus	8.8	3.0-5.5 mg/dL	HIGH		
Glucose	73	70-120 mg/dL			
CALCIUM	9.4	7.2-11.5 mg/dL			
Magnesium	2.3	mEq/L			
Sodium	140	136-150 mEq/L			
Potassium	7.7	3.5-5.5 mEq/L	HIGH		
Result Verified					
NA/K RATIO	18	27-35	LOW		
Chloride	100	109-115 mEq/L	LOW		
Cholesterol	89	100-200 mg/dL	LOW		
TRIGLYCERIDE	45	26-109 mg/dL			
Amylase	559	1000-2500 IU/L	LOW		
PrecisionPSL	8	IU/L			
CPK	498	100-400 IU/L	HIGH		
Comment(s)					
Hemolysis 2+ No significant interference.					

FIG. 16

Accession No. CHAV00156235		Doctor Alloosh	Owner Alloosh	Pet Name ZISS	
Test	Results	Adult Reference Range	L	Normal	H
Complete Blood Count					
WBC	9.1	8.6-25.2 10 ³ /μL	LOW		
RBC	6.7	4.9-7.9 10 ⁶ /μL			
HGB	14.3	8.1-11.9 g/dL	HIGH		
HCT	44	28-46 %	HIGH		
MCV	66	44-65 fL	HIGH		
MCH	21.2	12.4-18.3 pg	HIGH		
MCHC	32	27.4-31.4 g/dL	HIGH		
Blood Parasites	None Seen				
RBC Comment					
RBC Morphology Normal					
Platelet Count	75	266-859 10 ³ /μL	LOW		
Platelet count reflects the minimum number due to platelet clumping.					
Platelet Estimate	Adequate				
Differential	Absolute	%			
Neutrophils	2730	30 2300-11900 /μL			
Bands		0 0-2 %			
Lymphocytes	5551	61 400-12500 /μL			
Monocytes	273	3 50-2300 /μL			
Eosinophils	546	6 0-500 /μL	HIGH		
Basophils	0	0 /μL			

FIG. 17

Accession No.	Doctor	Owner	Pet Name		
CHAY00156365	Alloosh	Alloosh	2858		
Test	Results	Adult Reference Range	L	Normal	H
Superchem					
Total Protein	6.6	5.0-7.0 g/dL			
Albumin	3.3	2.4-3.3 g/dL			
Globulin	3.3	2.0-4.0 g/dL			
A/G Ratio	1.0	0.5-1.0			
AST (SGOT)	43	10-100 IU/L			
ALT (SGPT)	27	10-100 IU/L			
Alk Phosphatase	36	100-250 IU/L	LOW		
GST	34	IU/L	HIGH		
Result Verified					
Total Bilirubin	0.1	0.0-1.0 mg/dL			
BUN	12	10-22 mg/dL			
Creatinine	1.0	0.1-2.0 mg/dL			
BUN/Creatinine Ratio	12				
Phosphorus	6.7	3.0-5.5 mg/dL	HIGH		
Glucose	73	70-120 mg/dL			
CALCIUM	8.8	7.2-11.5 mg/dL			
Magnesium	1.7	mEq/L			
Sodium	142	138-150 mEq/L			
Potassium	4.0	3.5-5.5 mEq/L			
NA/K RATIO	36	27-38	HIGH		
Chloride	105	100-115 mEq/L	LOW		
Cholesterol	66	100-200 mg/dL	LOW		
TRIGLYCERIDE	17	20-100 mg/dL	LOW		
Amylase	789	1000-2500 IU/L	LOW		
PrecisionPSL	5	U/L			
CPK	1163	100-400 IU/L	HIGH		
Complete Blood Count					
WBC	12.3	6.8-25.2 $10^3/\mu\text{L}$			
RBC	6.4	4.9-7.9 $10^6/\mu\text{L}$			

FIG. 18

Accession No		Doctor	Owner	Pet Name	
CHAV00158365		Allaosh	Allaosh	2859	
Test	Results	Adult Reference Range	L	Normal	H
HGB	13.0	8.1-11.5 g/dL	HIGH		
HCT	40	28-40 %			
MCV	83	44-65 fL			
MCH	28.3	12.4-19.2 pg	HIGH		
MCHC	32	27.4-31.4 g/dL	HIGH		
Blood Parasites	None Seen				
RBC Comment					
RBC Morphology	Normal				
Platelet Count	218	200-800 $10^3/\mu\text{L}$			
Platelet Estimate	Adequate				
Differential	Absolute	%			
Neutrophils	4182	34 2300-11900 $/\mu\text{L}$			
Bands		0 0-2 %			
Lymphocytes	7134	58 400-12500 $/\mu\text{L}$			
Monocytes	492	4 50-2300 $/\mu\text{L}$			
Eosinophils	492	4 0-500 $/\mu\text{L}$			
Basophils	0	0 $/\mu\text{L}$			

Superchem				Complete Blood Count			
Tests	Results	REF. Range	Units	Tests	Results	REF. Range	Units
Total Protein	5.7	5.0-7.0	g/dL	WBC	9.3 (LOW)	9.6-25.2	10 ³ /uL
Albumin	2.9	2.4-3.3	g/dL	RBC	4.9	4.9-7.9	10 ⁶ /uL
Globulin	2.4	2.0-4.0	g/dL	HGB	9.9	8.1-11.9	g/dL
A/G Ratio	1.2 (HIGH)	0.5-1.0		HCT	30	28-40	%
AST (SGOT)	23	10-100	IU/L	MCV	61	44-65	fL
ALT (SGPT)	15	10-100	IU/L	MCH	20.2 (HIGH)	12.4-19.3	pg
Alk Phosphatase	70 (LOW)	100-250	IU/L	MCHC	33 (HIGH)	27.4-31.4	g/dL
GGT	23		IU/L	Blood Parasites	None Seen		
Result Verified				RBC Comment			
Total Bilirubin	0.1	0.0-1.0	mg/dL	RBC Morphology	Normal		
BUN	12	10-22	mg/dL	Platelet Count	261	200-800	10 ³ /uL
Creatinine	1.5	0.1-2.0	mg/dL	Platelet count reflects the minimum number due to platelet clumping			
BUN/Creatinine Ratio	8			Platelet Estimate	Adequate		
Phosphorus	7.6 (HIGH)	3.0-5.5	mg/dL	Differential	Absolute	%	REF. Range
Glucose	55	70-120	mg/dL	Neutrophils	2,139 (LOW)	23	2300-11900 /uL
Calcium	10.1	7.2-11.5	mg/dL	Bands		0	0-2
Magnesium	1.5		mEq/L	Lymphocytes	6,231	67	400-12500 /uL
Sodium	143	138-150	mEq/L	Monocytes	465	5	50-2300 /uL
Potassium	4.1	3.5-5.5	mEq/L	Eosinophils	465	5	0-500 /uL
NA/K Ratio	35	27-35		Basophils	0	0	/uL
Chloride	104 (LOW)	109-115	mEq/L	Comment			
Cholesterol	58 (LOW)	100-200	mg/dL	Blood smear reviewed by technologist			
Triglyceride	40	28-109	mg/dL				
Amylase	576 (LOW)	1000-2500	IU/L				
PrecisionPSL	7		IU/L				
CPK	224	100-400	IU/L				

FIG. 19

FIG. 20

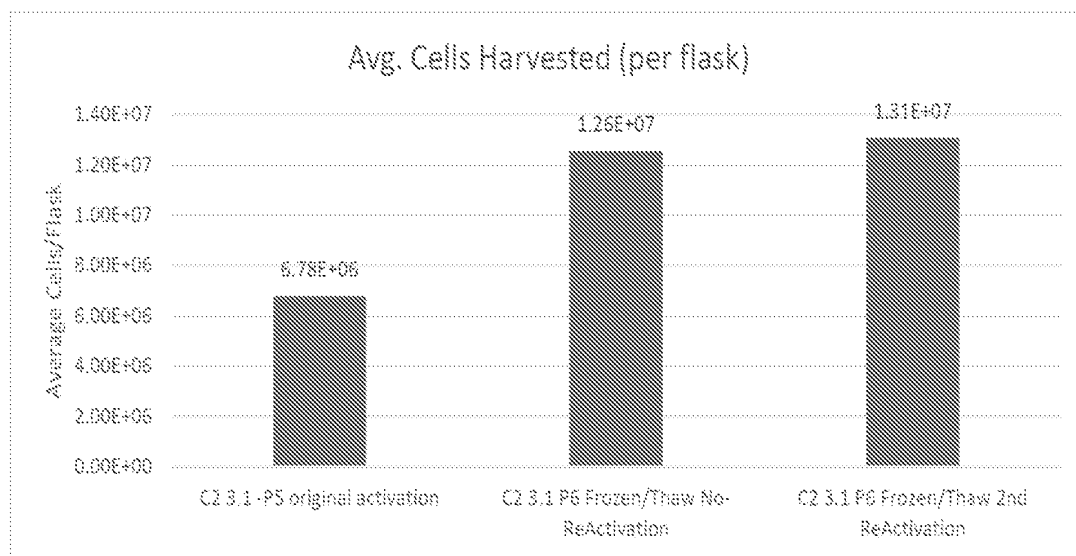


FIG. 21

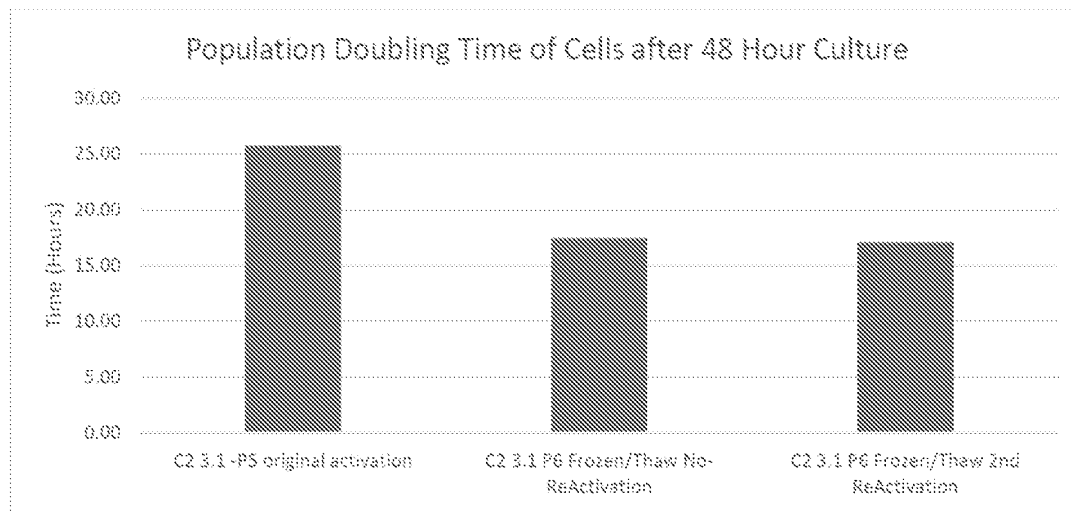


FIG. 22

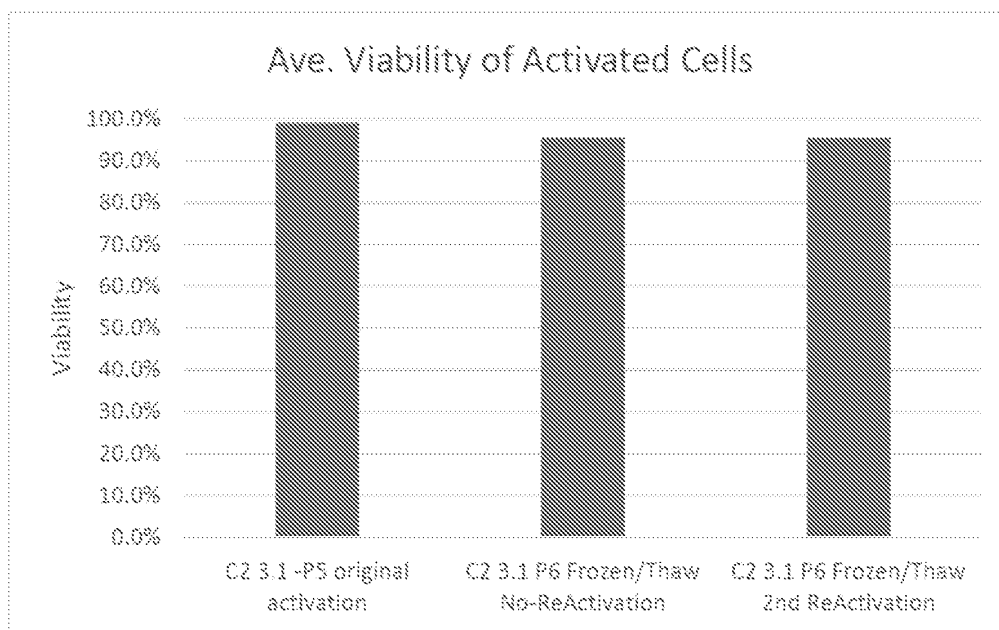


FIG. 23

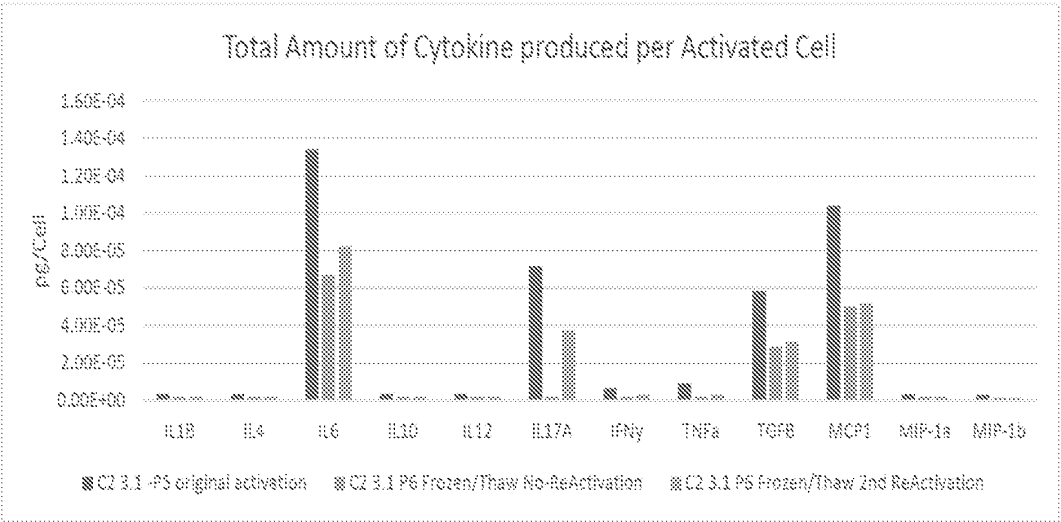
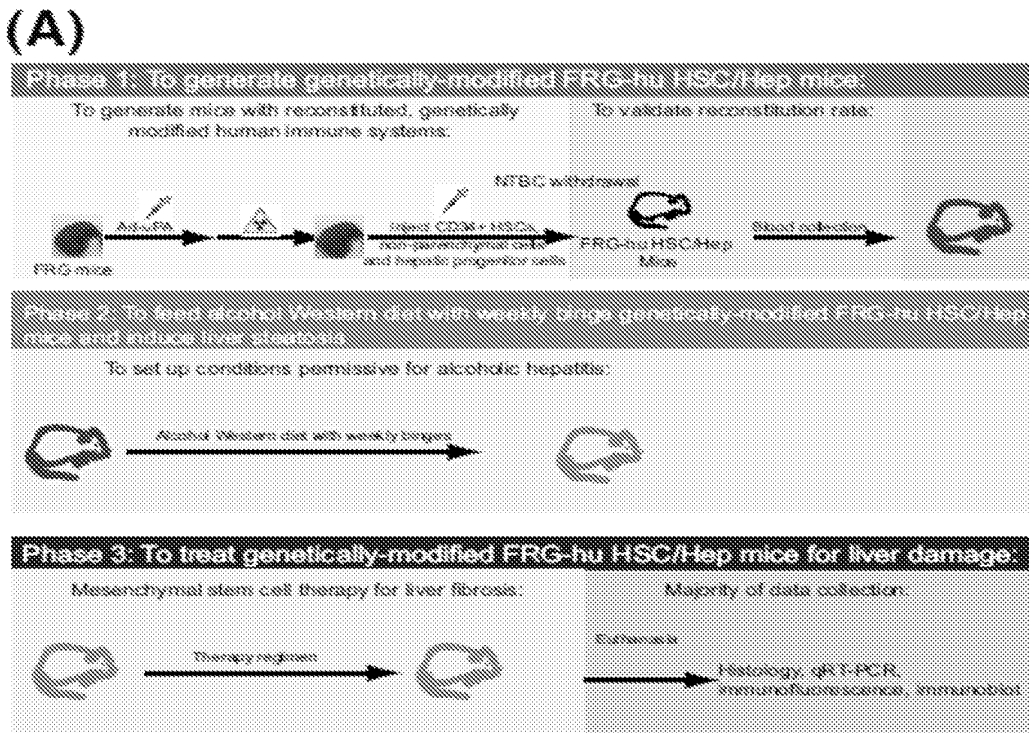


FIG. 24



(B)

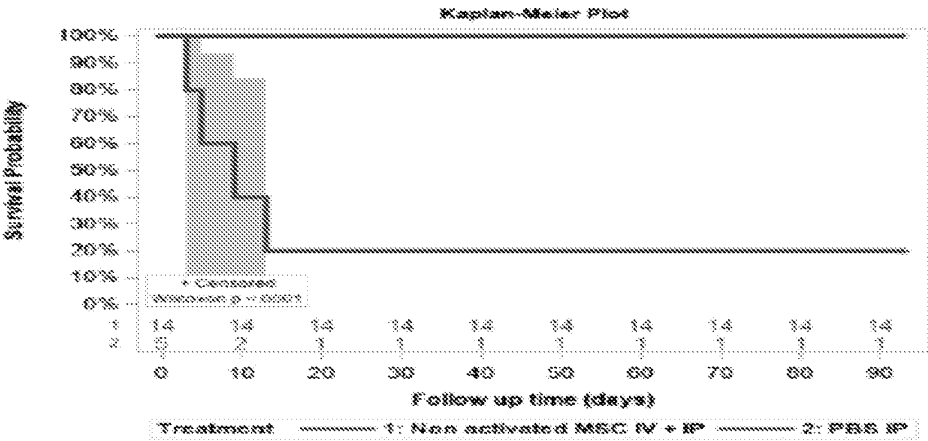


FIG. 25

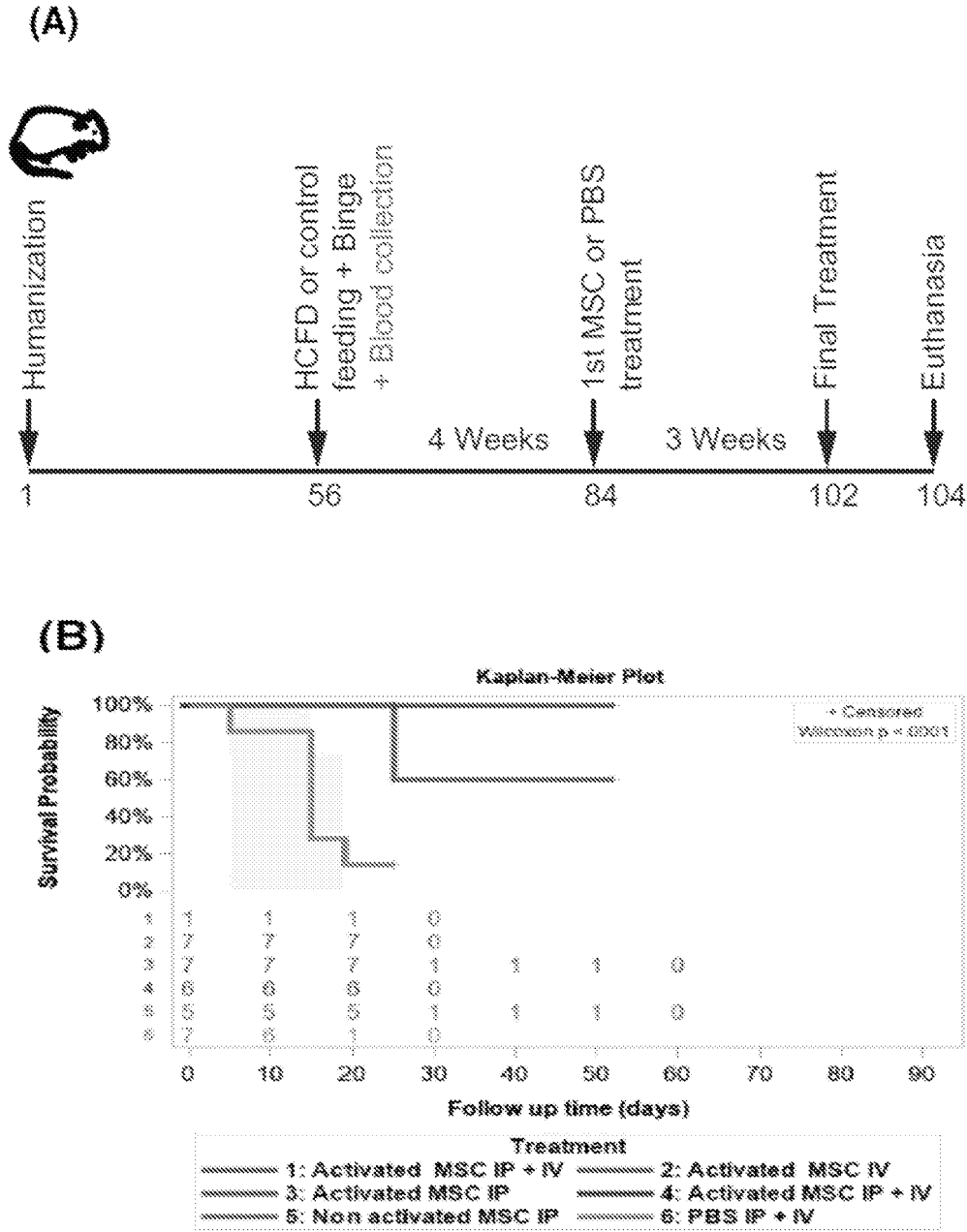


FIG. 26

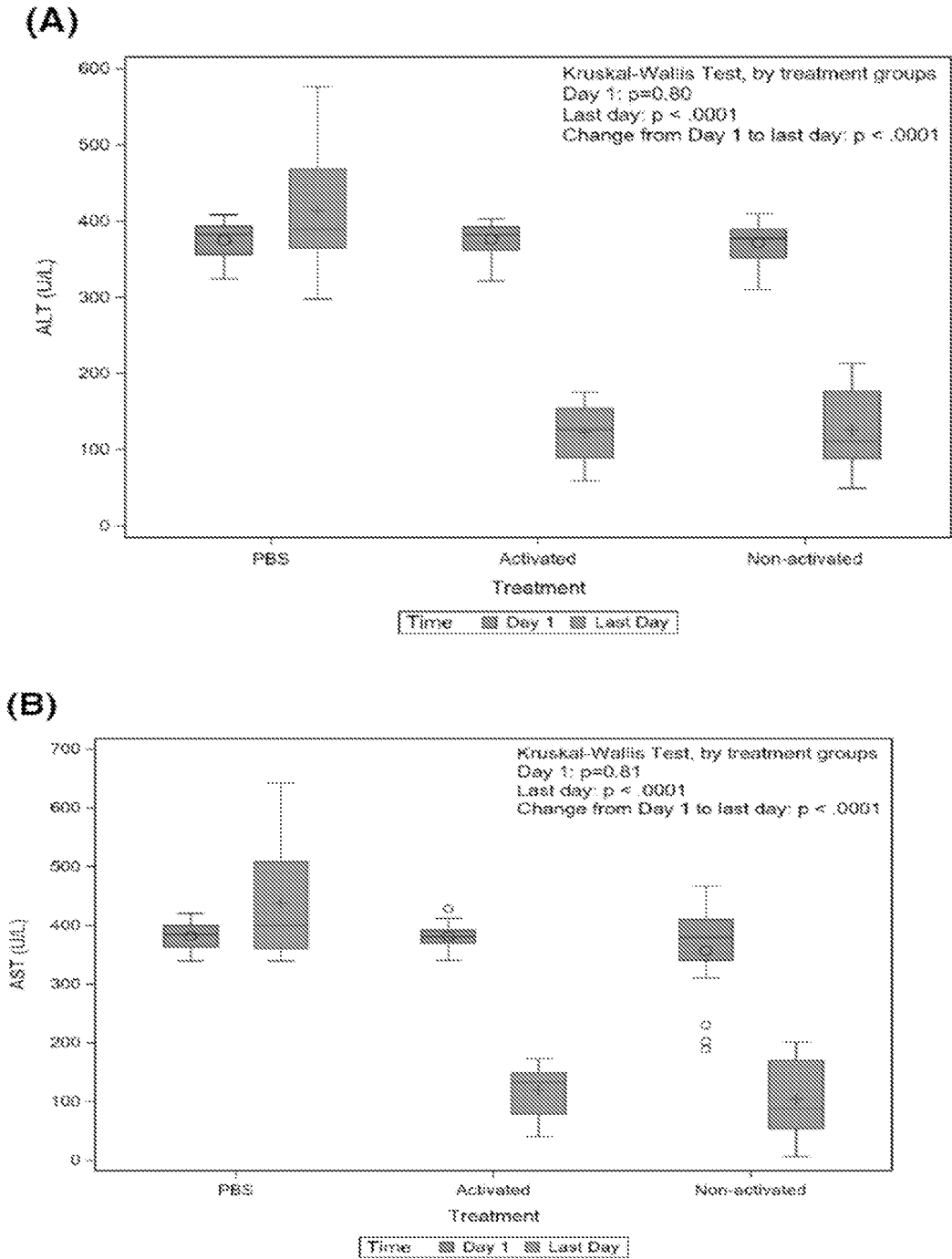


FIG. 27

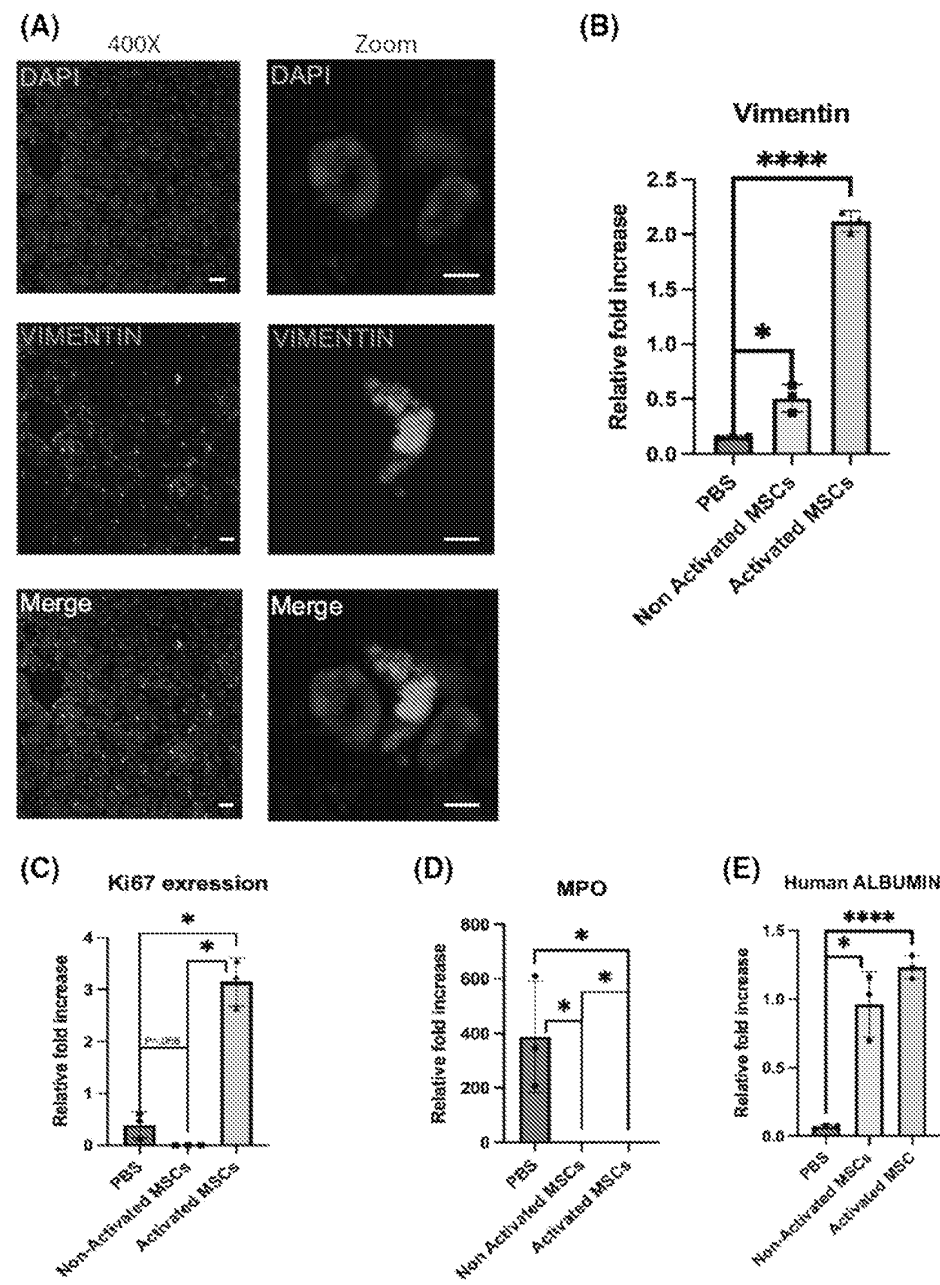


FIG. 28

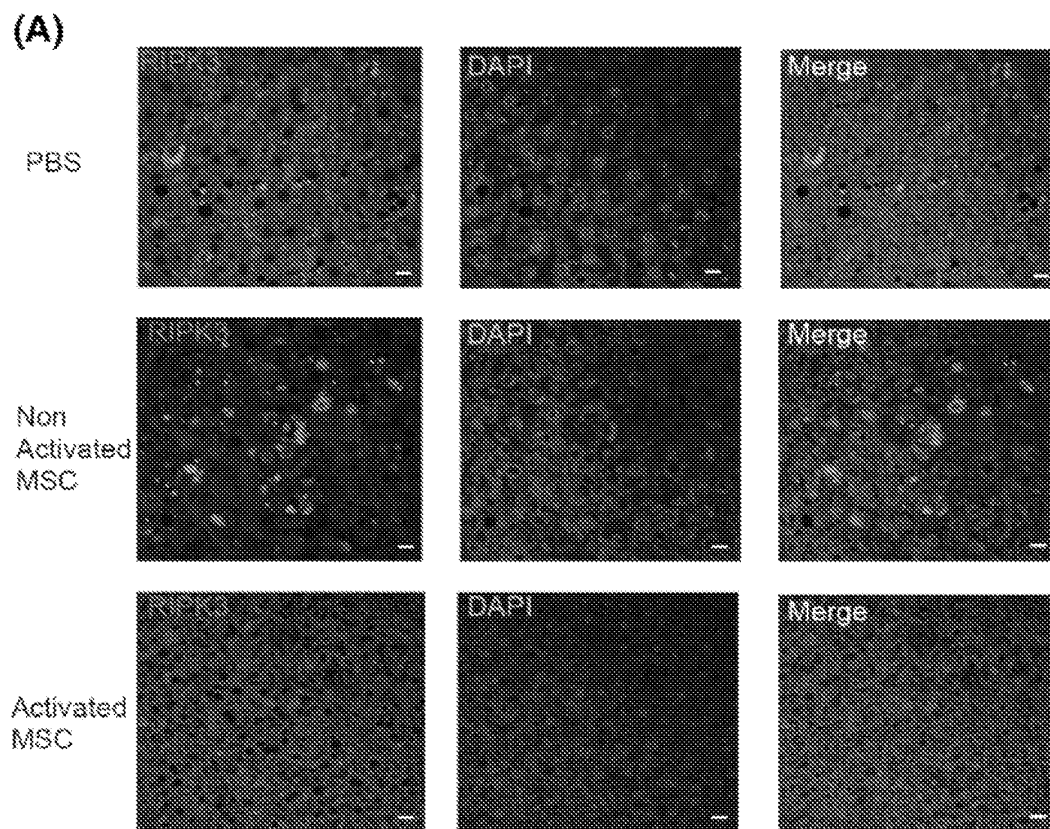


FIG. 28

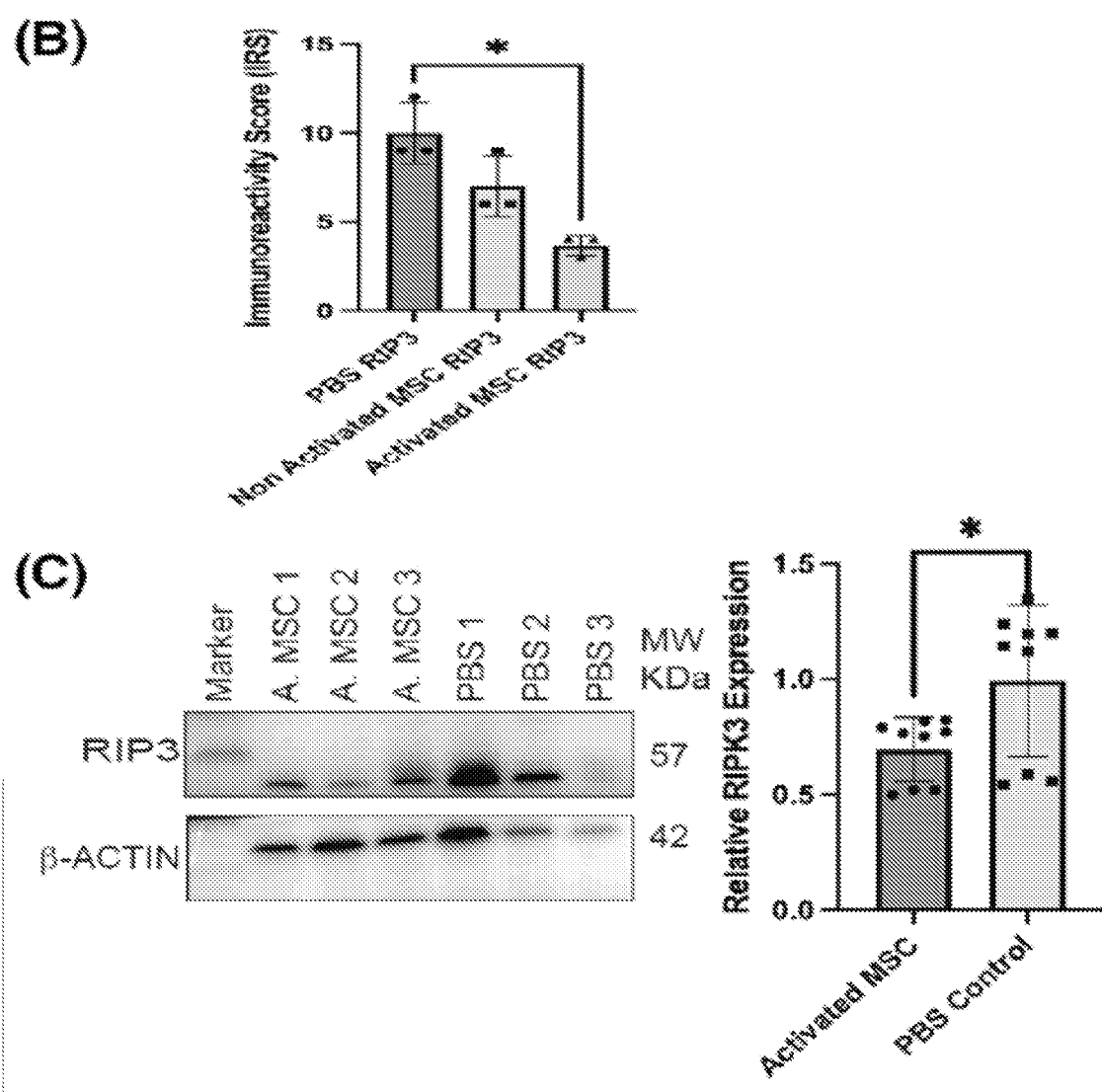


FIG. 28

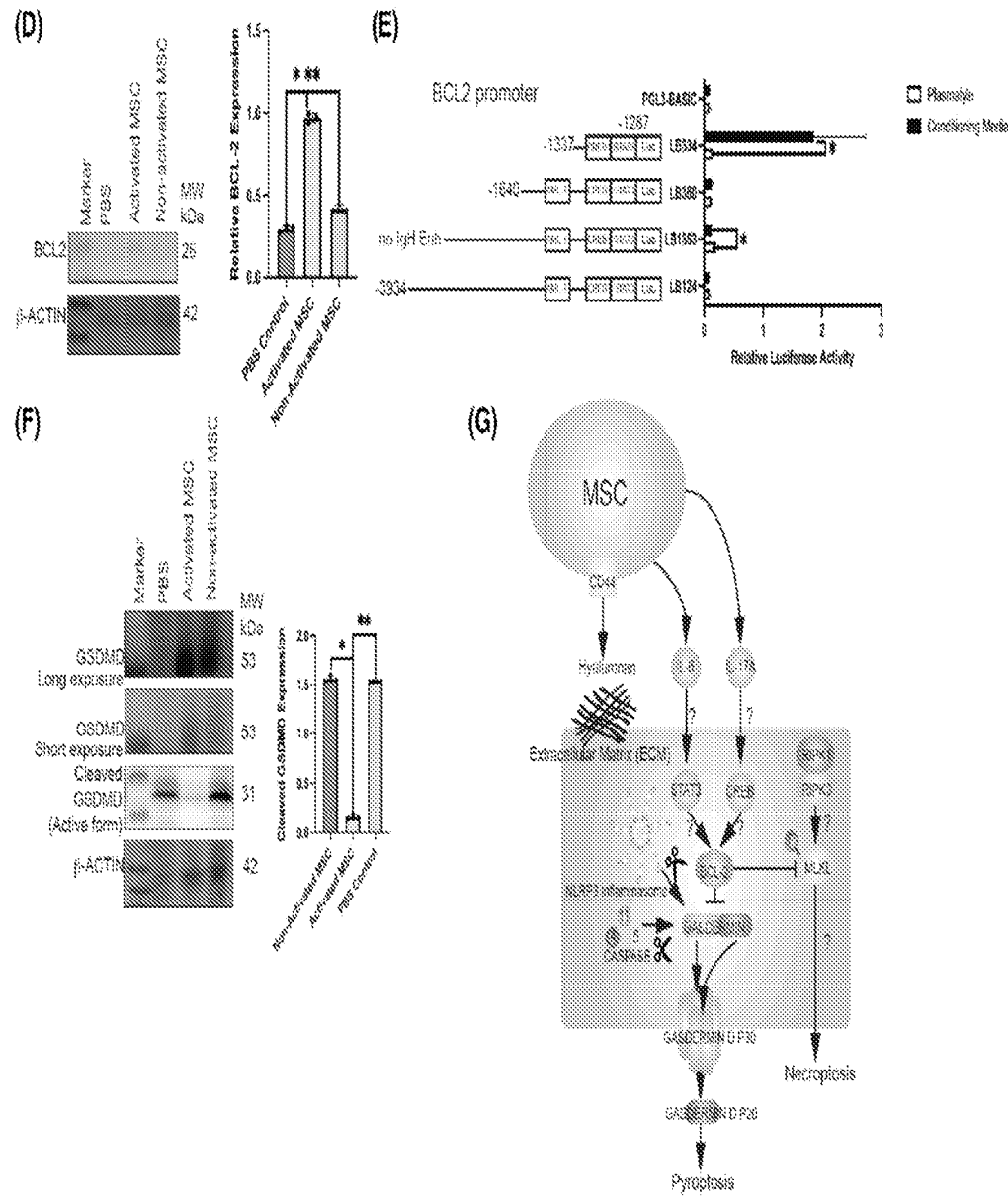


FIG. 29

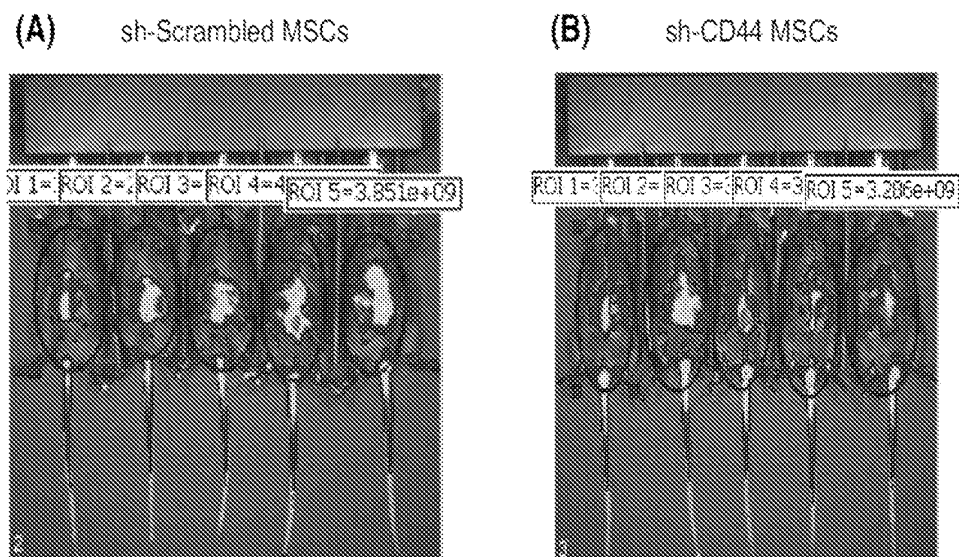


FIG. 30

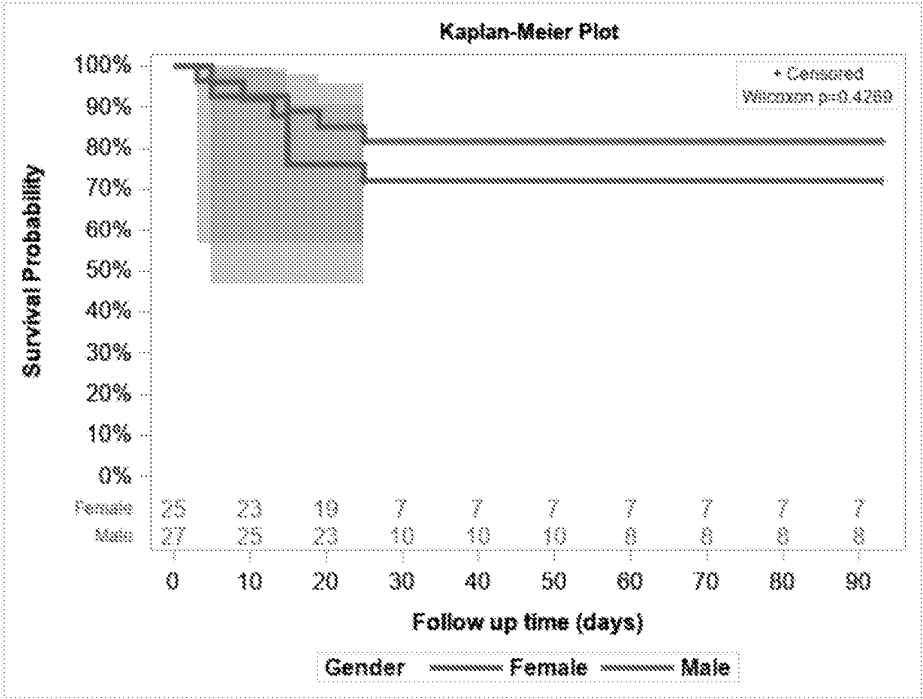


FIG. 31

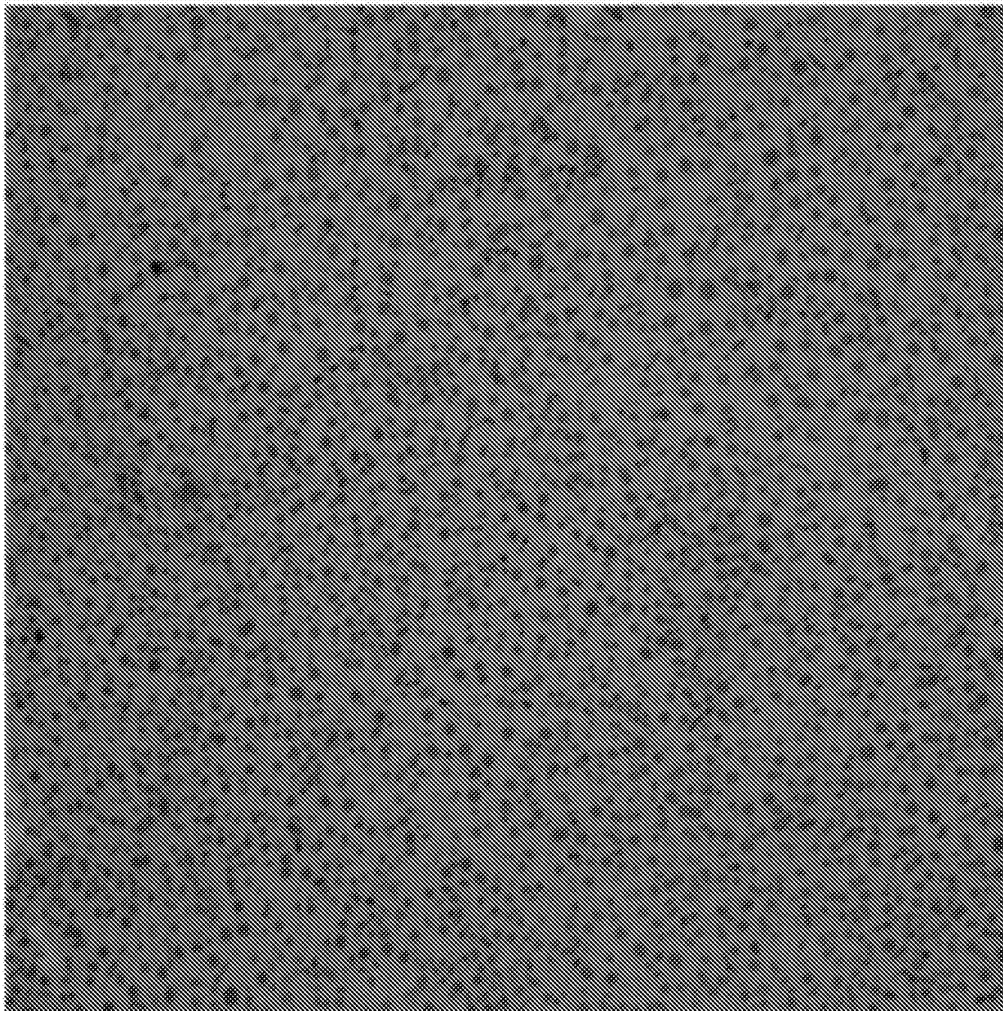


FIG. 32

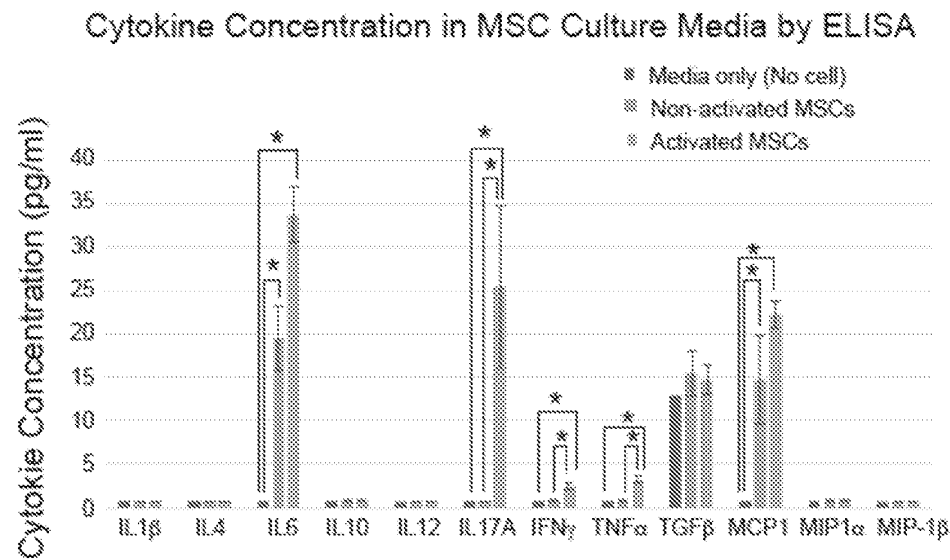


FIG. 33

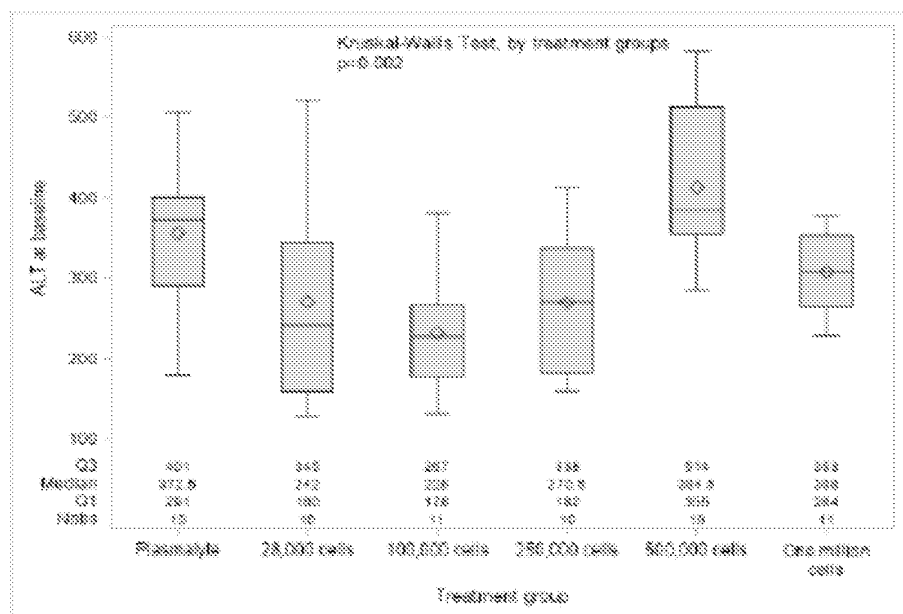


FIG. 34

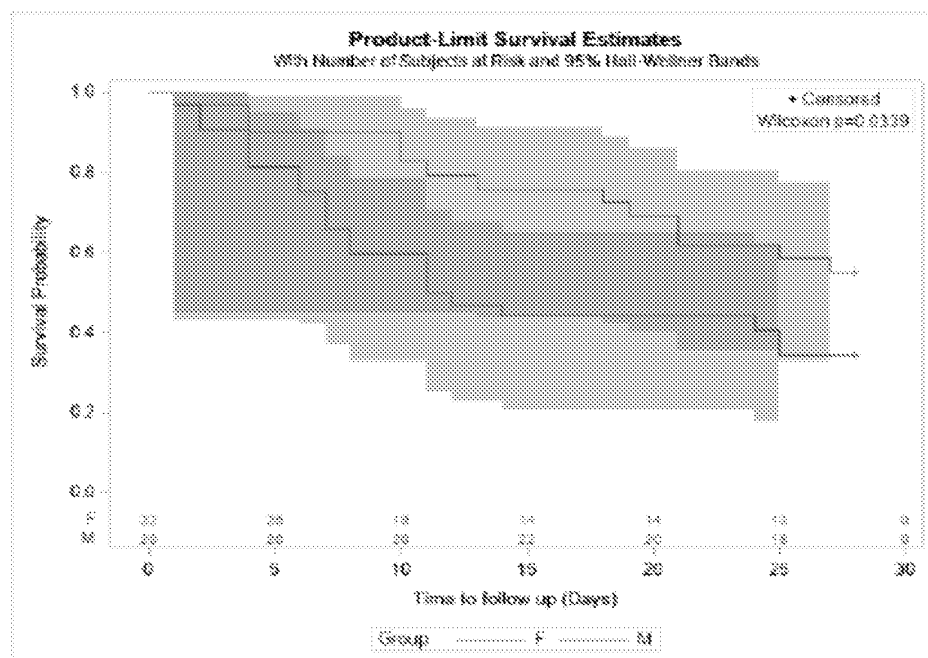


FIG. 35

