

FIG. 1

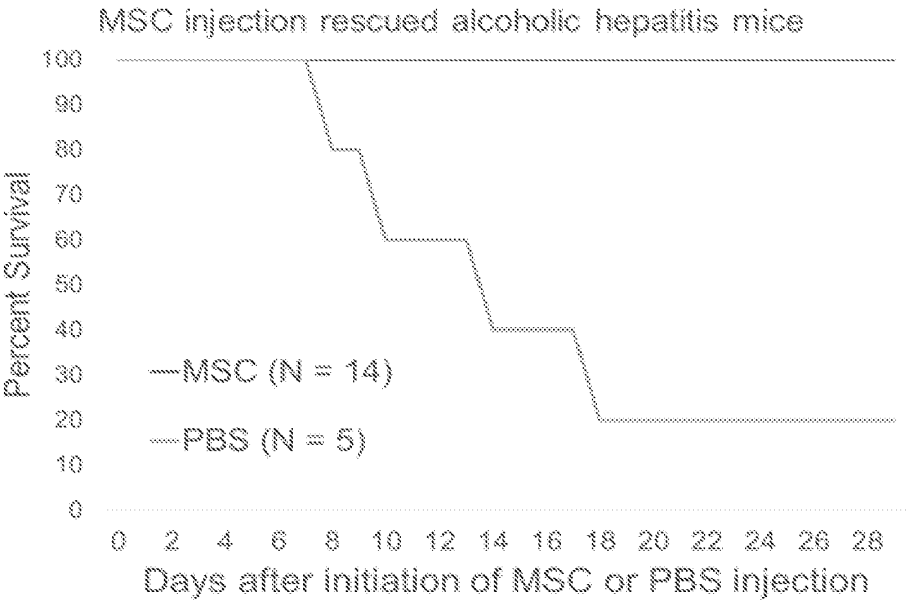


FIG. 2

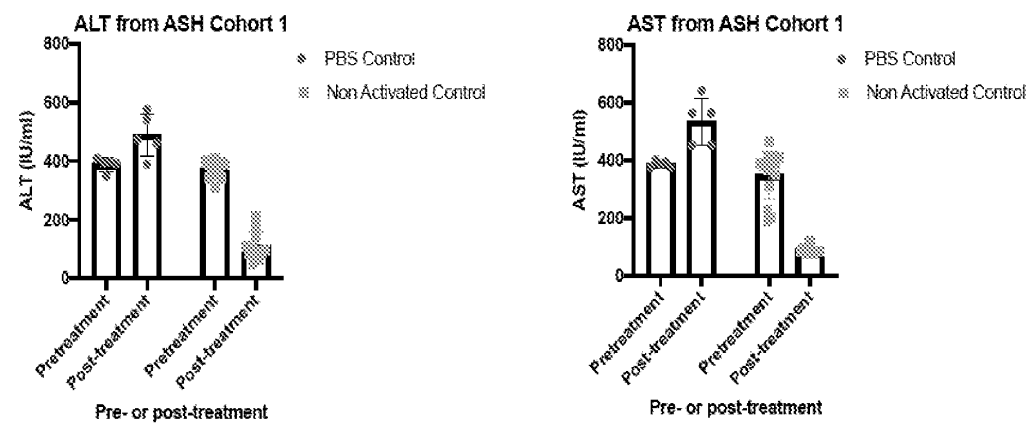


FIG. 3

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

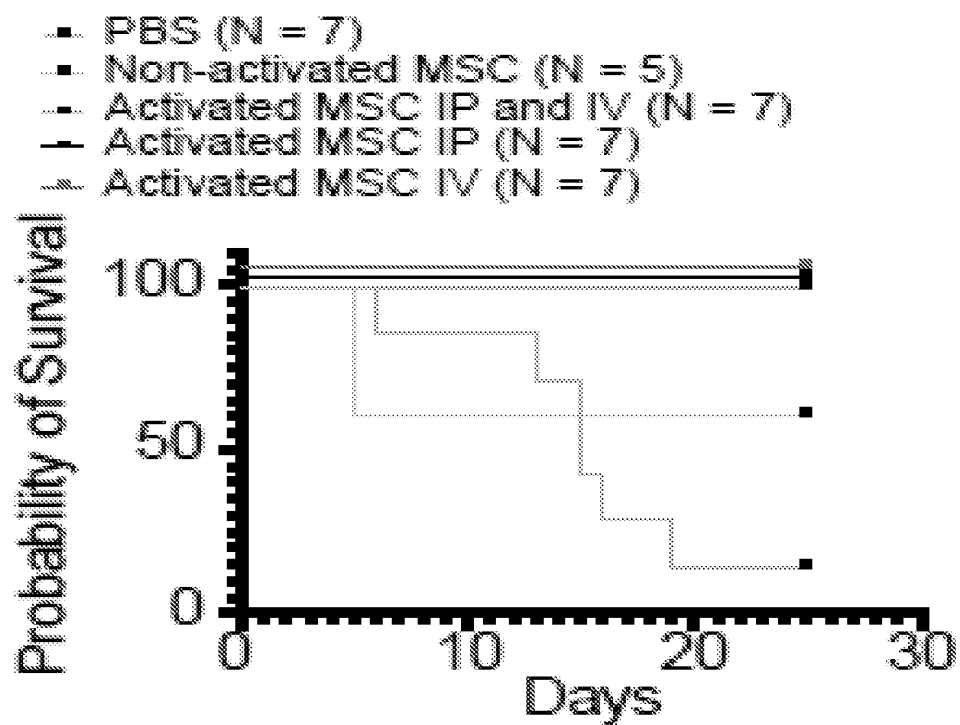


FIG. 4

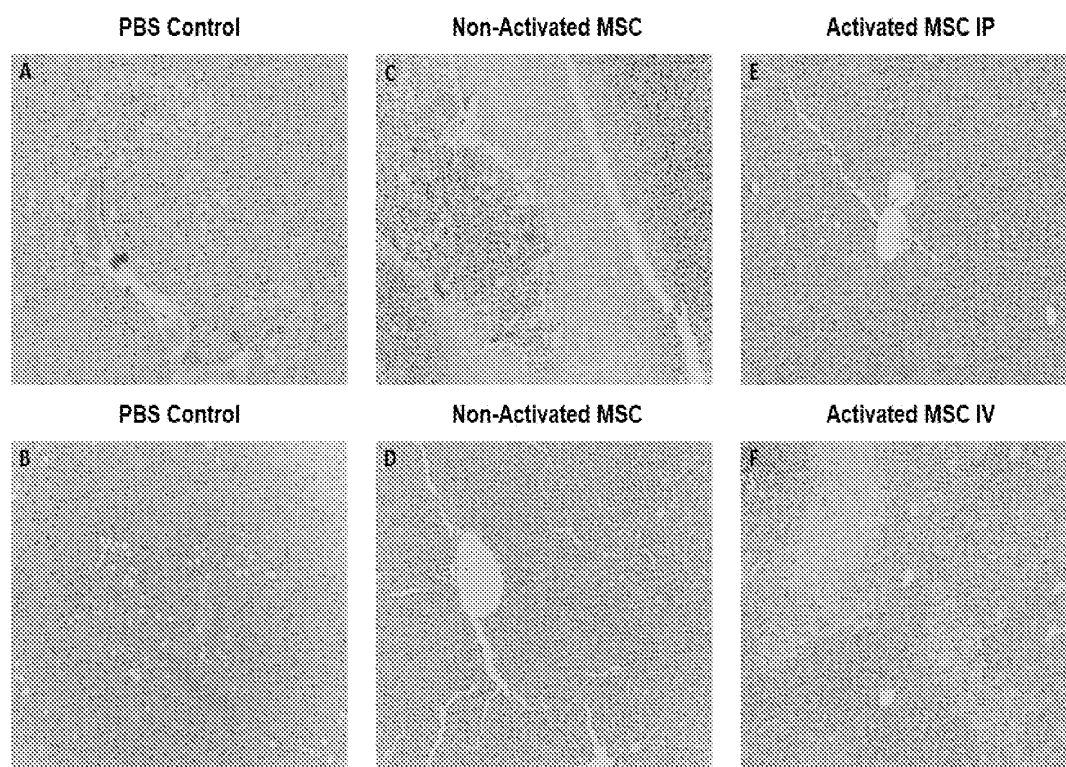


FIG. 5

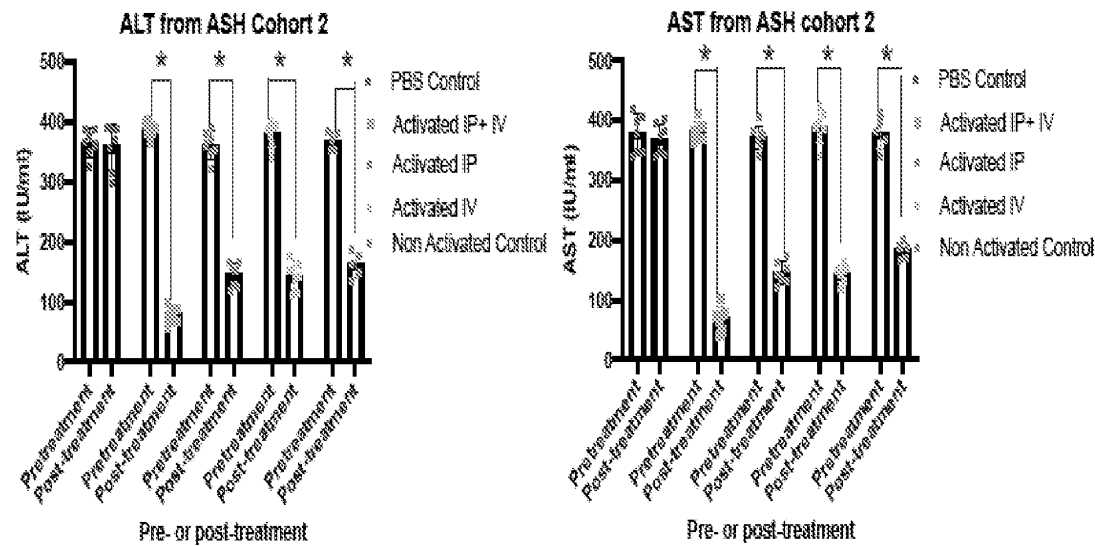


FIG. 6

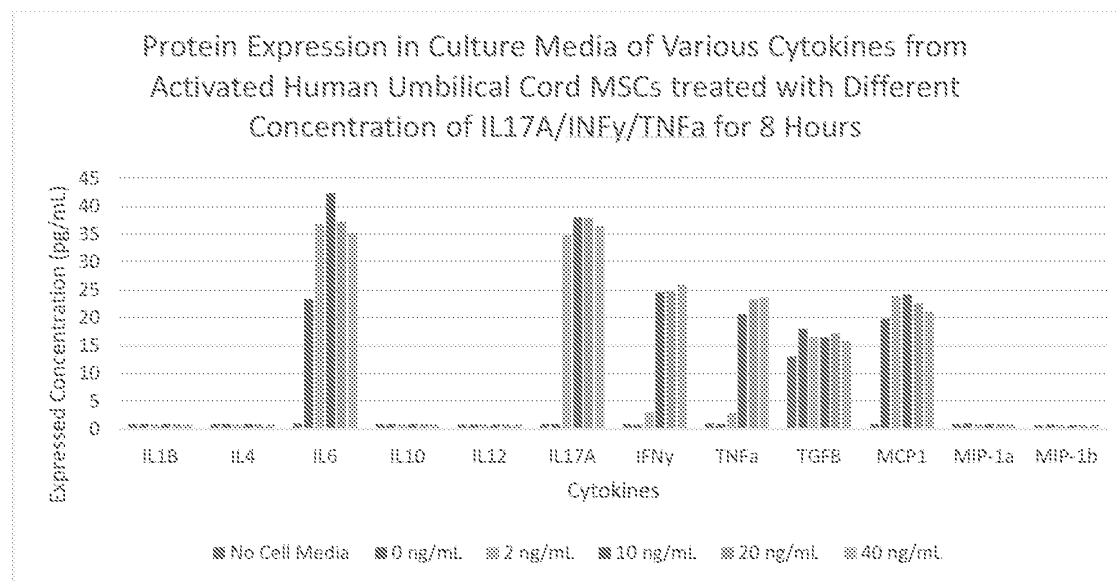


FIG. 7

| Accession No.<br>CHAV00156244 | Doctor<br>Alloosh | Owner<br>Alloosh-Corvus     | Pet Name<br>2846 |        |   |  |
|-------------------------------|-------------------|-----------------------------|------------------|--------|---|--|
| Test                          | Results           | Adult Reference Range       | L                | Normal | H |  |
| <b>Superchem</b>              |                   |                             |                  |        |   |  |
| Total Protein                 | 7.5               | 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                           | 15                | 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                       | 50                | 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               | 100-115 mEq/L               | LOW              |        |   |  |
| Cholesterol                   | 85                | 100-200 mg/dL               | LOW              |        |   |  |
| TRIGLYCERIDE                  | 36                | mg/dL                       |                  |        |   |  |
| Amylase                       | 860               | 1000-2500 IU/L              | LOW              |        |   |  |
| PrecisionPSL                  | 7                 | U/L                         |                  |        |   |  |
| CPK                           | 557               | 100-400 IU/L                | HIGH             |        |   |  |
| <b>Complete Blood Count</b>   |                   |                             |                  |        |   |  |
| WBC                           | 12.0              | 9.6-25.2 $10^3/\mu\text{L}$ |                  |        |   |  |
| REC                           | 6.4               | 4.5-7.5 $10^6/\mu\text{L}$  | HIGH             |        |   |  |

FIG. 8

| Accession No.     |                                       | Doctor                     | Owner                     |        | Pet Name |  |
|-------------------|---------------------------------------|----------------------------|---------------------------|--------|----------|--|
| CHAV00156244      |                                       | Alloosh                    | Alloosh-Corvus            |        | 2946     |  |
| Test              | Results                               | Adult Reference Range      | L                         | Normal | H        |  |
| HGB               | 17.8                                  | 8.1-11.8 g/dL              | HIGH                      |        |          |  |
| HCT               | 54                                    | 28-48 %                    | HIGH                      |        |          |  |
| MCV               | 64                                    | 44-65 fL                   |                           |        |          |  |
| MCH               | 28.8                                  | 12.4-19.3 pg               | HIGH                      |        |          |  |
| MCHC              | 33                                    | 27.4-34.4 g/dL             | HIGH                      |        |          |  |
| NRBC              | 1                                     | /100 WBC                   |                           |        |          |  |
| Blood Parasites   | None Seen                             |                            |                           |        |          |  |
| RBC Comment       | RBC Morphology Normal                 |                            |                           |        |          |  |
| Platelet Count    | 220                                   | 200-800 $10^3/\mu\text{L}$ |                           |        |          |  |
| Platelet Estimate | Adequate                              |                            |                           |        |          |  |
| Differential      | Absolute                              | %                          |                           |        |          |  |
| Neutrophils       | 6000                                  | 50                         | 2300-11900 $/\mu\text{L}$ |        |          |  |
| Bands             |                                       | 0                          | 0-2 %                     |        |          |  |
| Lymphocytes       | 5040                                  | 42                         | 400-12500 $/\mu\text{L}$  |        |          |  |
| Monocytes         | 720                                   | 6                          | 50-2300 $/\mu\text{L}$    |        |          |  |
| Eosinophils       | 240                                   | 2                          | 0-500 $/\mu\text{L}$      |        |          |  |
| Basophils         | 0                                     | 0                          | $/\mu\text{L}$            |        |          |  |
| Comment           | Blood smear reviewed by technologist. |                            |                           |        |          |  |

FIG. 9

|                      |         |                             |          |        |   |
|----------------------|---------|-----------------------------|----------|--------|---|
| Accession No         | Doctor  | Owner                       | Pet Name |        |   |
| CHAV00158374         | 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          | 61      | 100-250 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.<br>CHAV00158374 |           | Doctor<br>Alloosh           |  | Owner<br>Alloosh |        | Pet Name<br>2946 |  |
|-------------------------------|-----------|-----------------------------|--|------------------|--------|------------------|--|
| 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 <sup>3</sup> /μL |  |                  |        |                  |  |
| Platelet Estimate             | Adequate  |                             |  |                  |        |                  |  |
| Differential                  | Absolute  | %                           |  |                  |        |                  |  |
| Neutrophils                   | 4141      | 41 2300-11900 /μL           |  |                  |        |                  |  |
| Bands                         |           | 0 0-2 %                     |  |                  |        |                  |  |
| Lymphocytes                   | 5151      | 51 400-12500 /μL            |  |                  |        |                  |  |
| Monocytes                     | 707       | 7 50-2300 /μL               |  |                  |        |                  |  |
| Eosinophils                   | 0         | 0 0-500 /μL                 |  |                  |        |                  |  |
| Basophils                     | 0         | 0 /μL                       |  |                  |        |                  |  |
| 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     | 0.6-1.6                      | 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     | 3.0-5.6 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     | 9.6-25.2 10 <sup>3</sup> /μL | LOW      |        |   |
| RBC                  | 6.8     | 4.9-7.9 10 <sup>6</sup> /μL  |          |        |   |

FIG. 12

| Accession No.<br>CHAV00156228 |           | Doctor<br>Alloosh           | Owner<br>Alloosh-Coryus |      | Pet Name<br>2848 |   |
|-------------------------------|-----------|-----------------------------|-------------------------|------|------------------|---|
| Test                          | Results   | Adult Reference Range       |                         | L    | Normal           | H |
| HGB                           | 14.7      | 8.1-11.9 g/dL               |                         | HIGH |                  |   |
| HCT                           | 44        | 28-46 %                     |                         | HIGH |                  |   |
| MCV                           | 64        | 44-65 fL                    |                         |      |                  |   |
| MDH                           | 21.7      | 12.4-19.4 pg                |                         | HIGH |                  |   |
| MCHC                          | 34        | 27.4-31.4 g/dL              |                         | HIGH |                  |   |
| Blood Parasites               | None Seen |                             |                         |      |                  |   |
| RBC Comment                   |           |                             |                         |      |                  |   |
| RBC Morphology Normal         |           |                             |                         |      |                  |   |
| Platelet Count                | 204       | 200-800 10 <sup>3</sup> /μL |                         |      |                  |   |
| Platelet Estimate             | Adequate  |                             |                         |      |                  |   |
| Differential                  | Absolute  | %                           |                         |      |                  |   |
| Neutrophils                   | 2340      | 29                          | 2300-11900 /μL          |      |                  |   |
| Bands                         |           | 0                           | 0-2 %                   |      |                  |   |
| Lymphocytes                   | 4941      | 61                          | 400-12500 /μL           |      |                  |   |
| Monocytes                     | 486       | 6                           | 50-2300 /μL             |      |                  |   |
| Eosinophils                   | 324       | 4                           | 0-500 /μL               |      |                  |   |
| Basophils                     | 0         | 0                           | /μL                     |      |                  |   |

FIG. 13

| Accession No.        | Doctor  | Owner                       | Pet Name |        |   |
|----------------------|---------|-----------------------------|----------|--------|---|
| CHAV00158353         | Alloosh | Alloosh                     | 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     | 9.6-25.2 $10^3/\mu\text{L}$ | LOW      |        |   |
| RBC                  | 6.5     | 4.9-7.9 $10^6/\mu\text{L}$  |          |        |   |

FIG. 14

| Accession No.                                                       |                       | Doctor                     | Owner                     | Pet Name |   |  |
|---------------------------------------------------------------------|-----------------------|----------------------------|---------------------------|----------|---|--|
| CHAV001593483                                                       |                       | Alloosh                    | Alloosh                   | 2348     |   |  |
| 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                   | 266-888 $10^3/\mu\text{L}$ | 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.                             | Doctor  | Owner                 | Pet Name |        |   |
|-------------------------------------------|---------|-----------------------|----------|--------|---|
| CHAV00156235                              | Alloosh | Alloosh               | 2859     |        |   |
| Test                                      | Results | Adult Reference Range | L        | Normal | H |
| Superchem                                 |         |                       |          |        |   |
| Total Protein                             | 7.2     | 5.6-7.9 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                                | 6.8     | 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     | 103-115 mEq/L         | LOW      |        |   |
| Cholesterol                               | 89      | 100-200 mg/dL         | LOW      |        |   |
| TRIGLYCERIDE                              | 45      | 28-109 mg/dL          |          |        |   |
| Amylase                                   | 688     | 1000-2500 IU/L        | LOW      |        |   |
| PrecisionPSL                              | 8       | U/L                   |          |        |   |
| CPK                                       | 498     | 100-400 IU/L          | HIGH     |        |   |
| Comment(s)                                |         |                       |          |        |   |
| Hemolysis 2+ No significant interference. |         |                       |          |        |   |

FIG. 16

| Accession No.<br>CHAV00156235                                        | Doctor<br>Alloosh | Owner<br>Alloosh             | Pet Name<br>2859 |        |   |
|----------------------------------------------------------------------|-------------------|------------------------------|------------------|--------|---|
| Test                                                                 | Results           | Adult Reference Range        | L                | Normal | H |
| Complete Blood Count                                                 |                   |                              |                  |        |   |
| WBC                                                                  | 9.1               | 8.6-25.2 10 <sup>3</sup> /μL | LOW              |        |   |
| RBC                                                                  | 6.7               | 4.9-7.9 10 <sup>6</sup> /μL  |                  |        |   |
| HGB                                                                  | 14.3              | 8.1-11.9 g/dL                | HIGH             |        |   |
| HCT                                                                  | 44                | 38-46 %                      | HIGH             |        |   |
| MCV                                                                  | 66                | 44-65 fL                     | HIGH             |        |   |
| MCH                                                                  | 21.2              | 12.4-19.3 pg                 | HIGH             |        |   |
| MCHC                                                                 | 32                | 27.4-31.4 g/dL               | HIGH             |        |   |
| Blood Parasites                                                      | None Seen         |                              |                  |        |   |
| RBC Comment                                                          |                   |                              |                  |        |   |
| RBC Morphology Normal                                                |                   |                              |                  |        |   |
| Platelet Count                                                       | 75                | 200-800 10 <sup>3</sup> /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 |        |   |
|----------------------|---------|-----------------------------|----------|--------|---|
| CHAV00156365         | Alloosh | Alloosh                     | 2859     |        |   |
| 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      | 35      | 100-250 IU/L                | LOW      |        |   |
| GST                  | 34      | 0-100 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           | 8.7     | 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     | 136-150 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          | 88      | 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    | 6.6-25.2 $10^3/\mu\text{L}$ |          |        |   |
| RBC                  | 6.4     | 4.9-7.8 $10^6/\mu\text{L}$  |          |        |   |

FIG. 18

| Accession No      |           | Doctor                       | Owner   | Pet Name |   |
|-------------------|-----------|------------------------------|---------|----------|---|
| CHAV00158365      |           | Alloosh                      | Alloosh | 2859     |   |
| Test              | Results   | Adult Reference Range        | L       | Normal   | H |
| HGB               | 13.0      | 8.1-11.8 g/dL                | HIGH    |          |   |
| HCT               | 40        | 28-40 %                      |         |          |   |
| MCV               | 83        | 44-65 fL                     |         |          |   |
| MCH               | 28.3      | 12.4-18.2 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 $/\mu\text{L}$             |         |          |   |

FIG. 19

| 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 <sup>3</sup> /uL |
| Albumin              | 2.9        | 2.4-3.3    | g/dL  | RBC                                                                  | 4.9         | 4.9-7.9       | 10 <sup>6</sup> /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         | 200-600       | 10 <sup>3</sup> /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          |            | U/L   |                                                                      |             |               |                     |
| CPK                  | 224        | 100-400    | IU/L  |                                                                      |             |               |                     |

FIG. 20

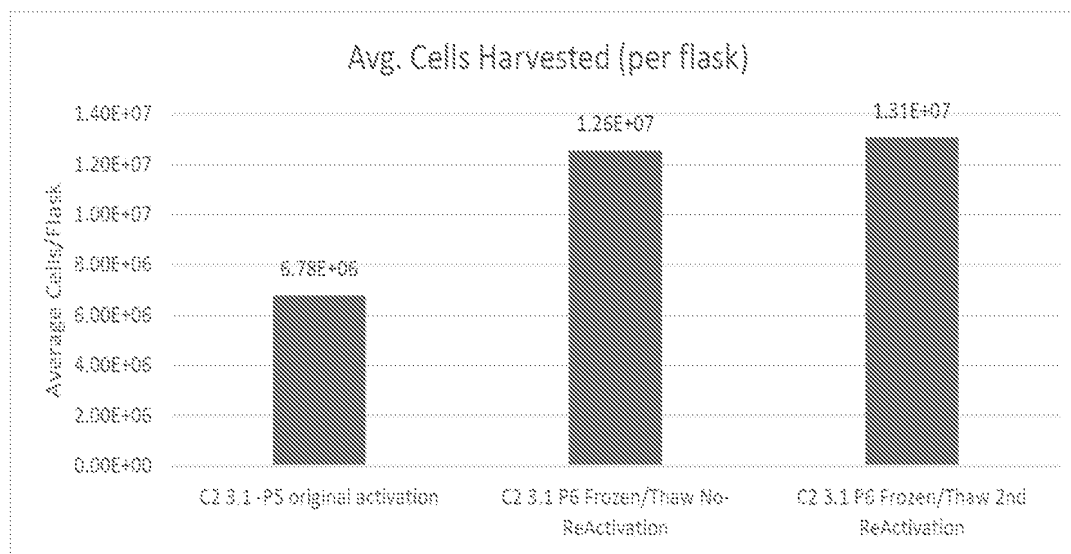


FIG. 21

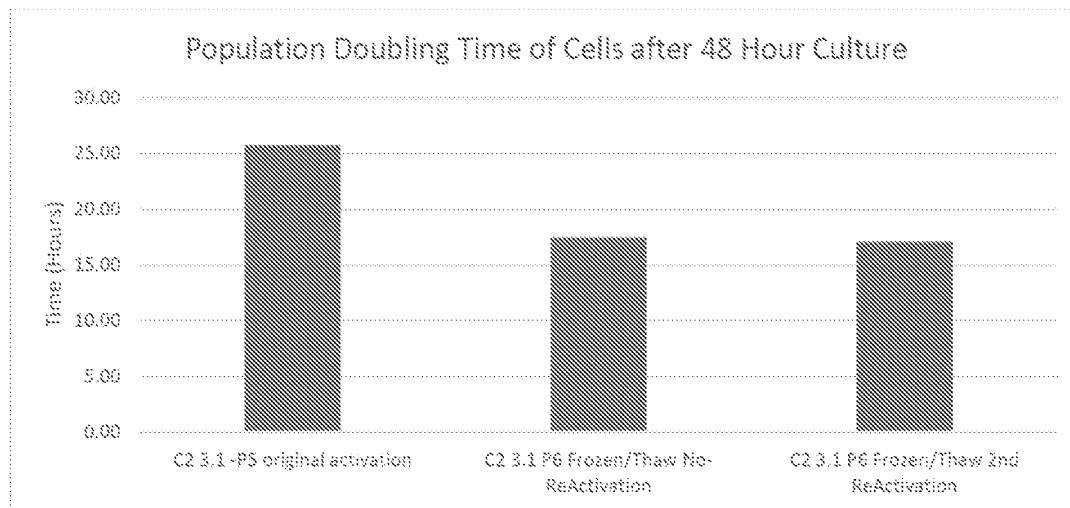


FIG. 22

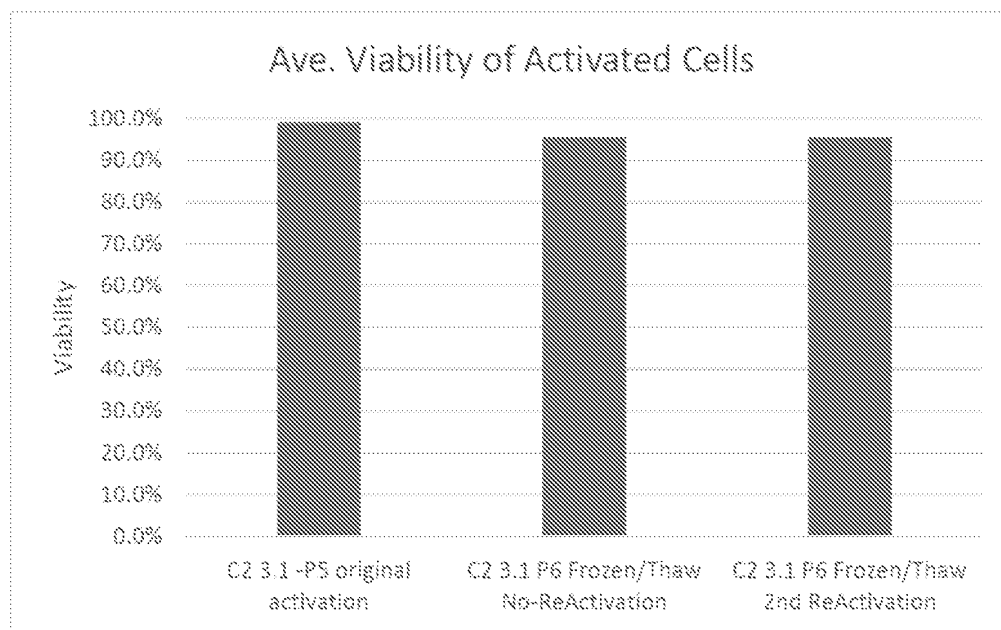


FIG. 23

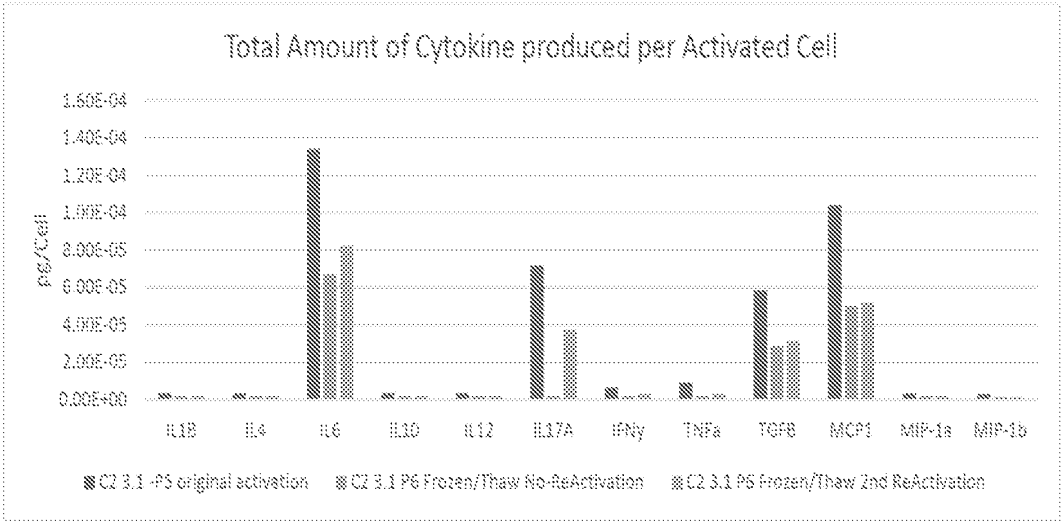
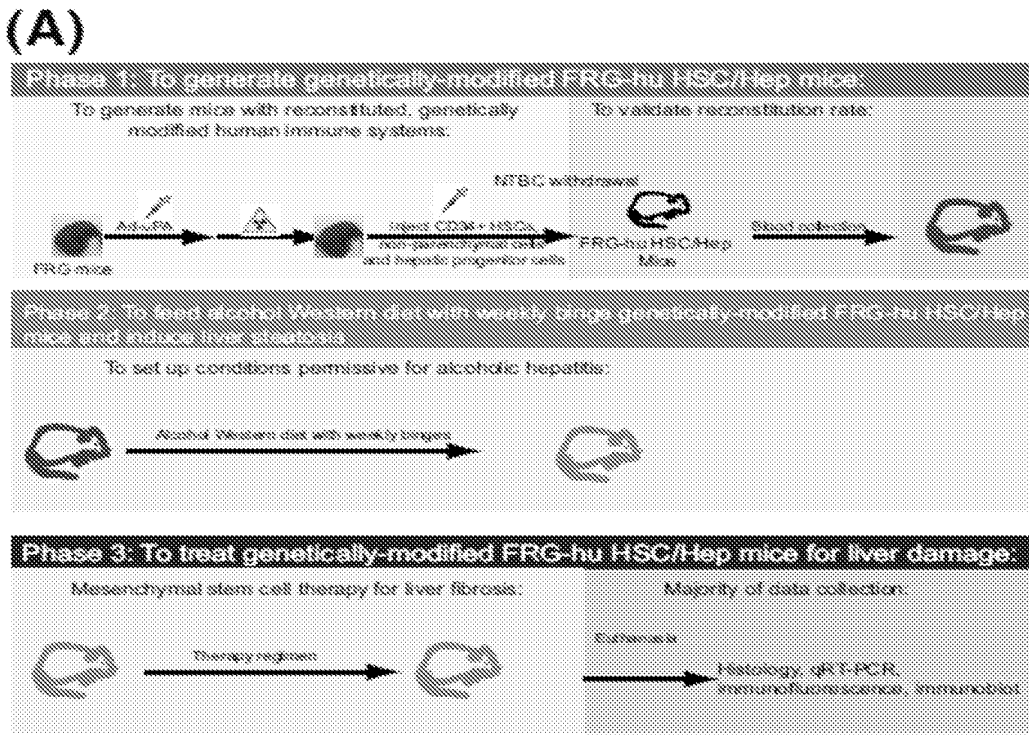


FIG. 24



**(B)**

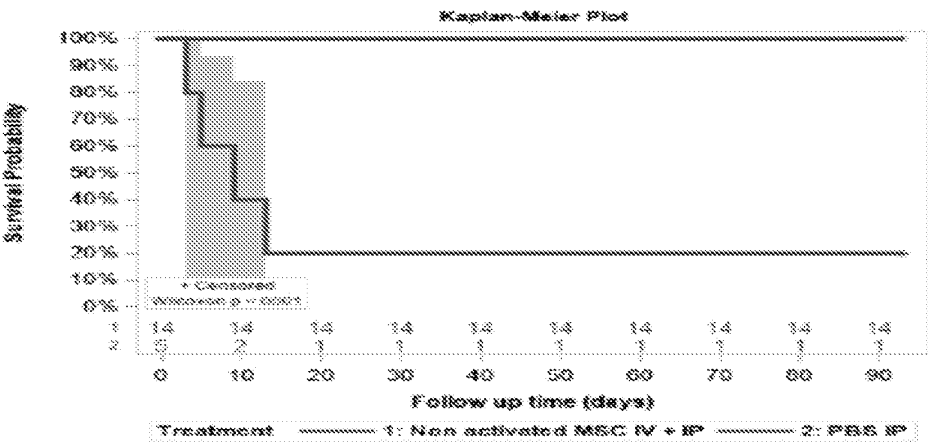


FIG. 25

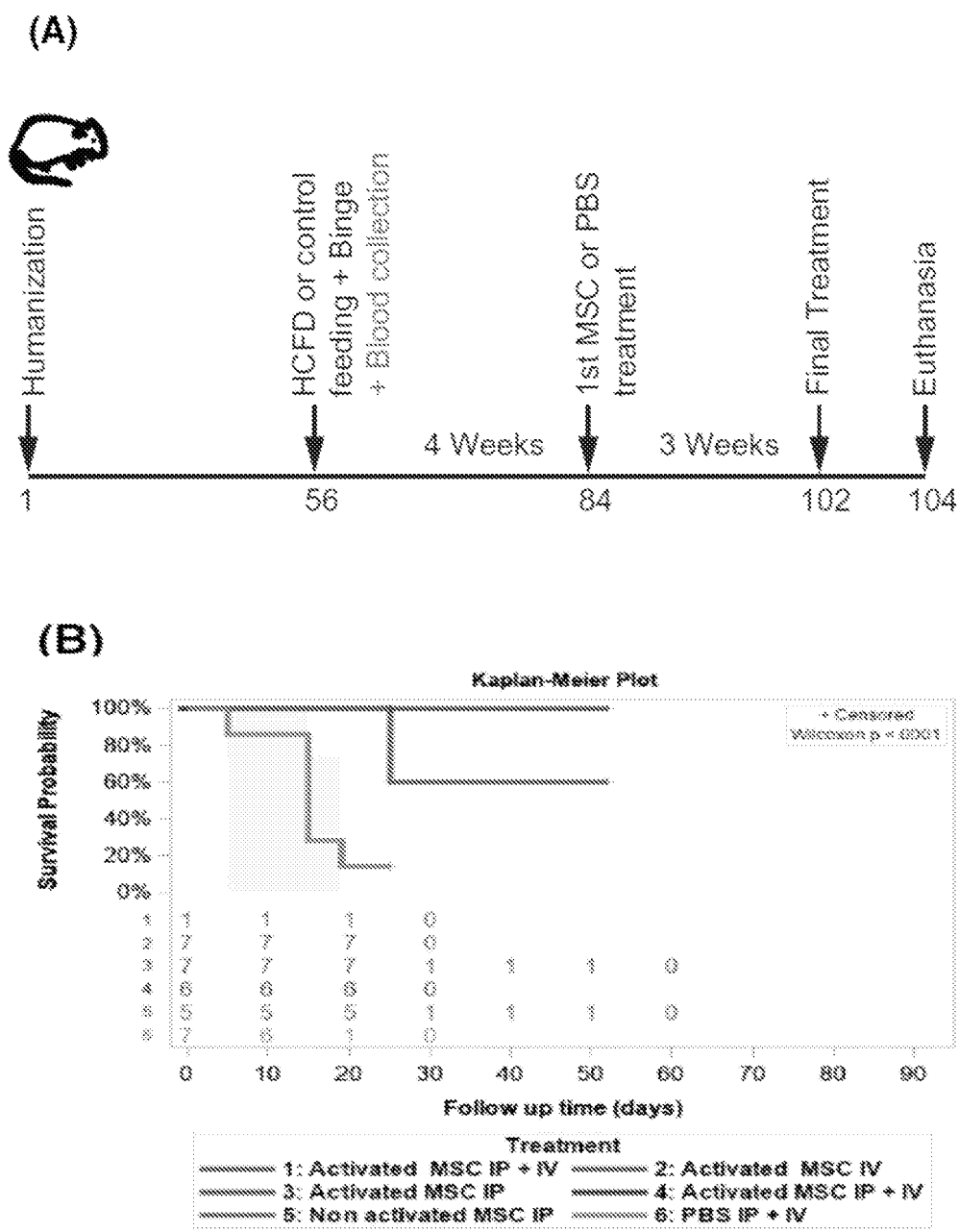


FIG. 26

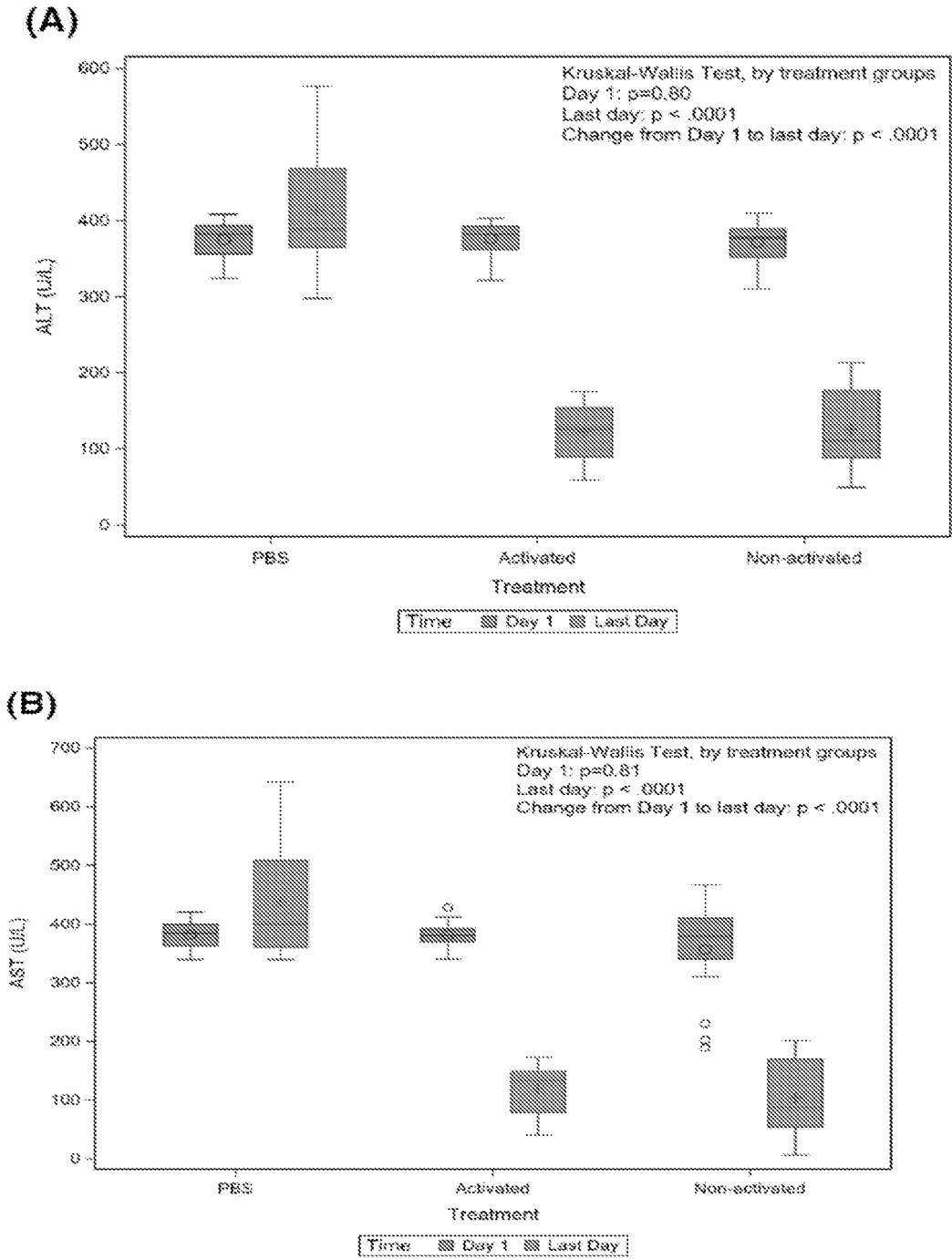


FIG. 27

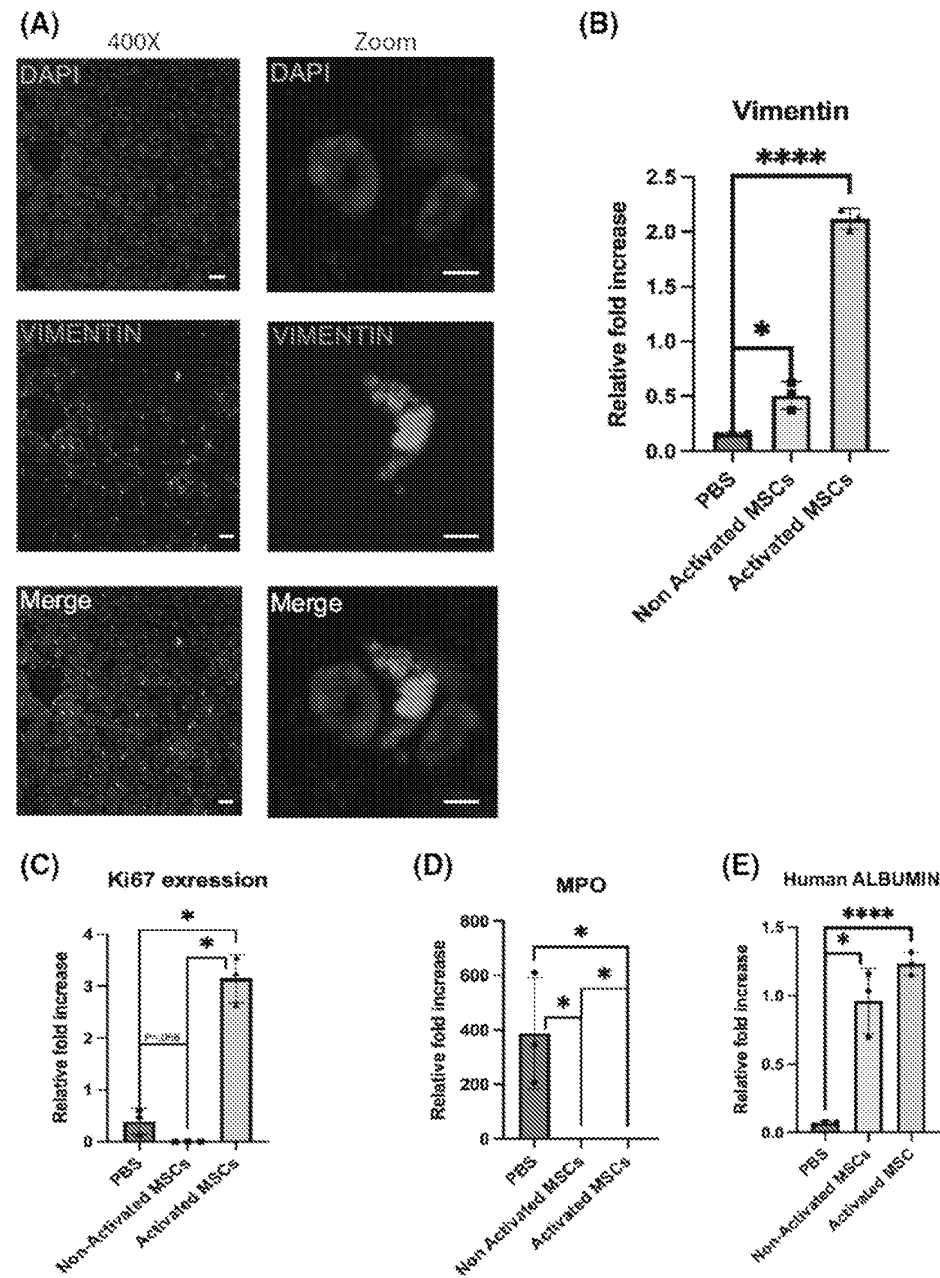


FIG. 28

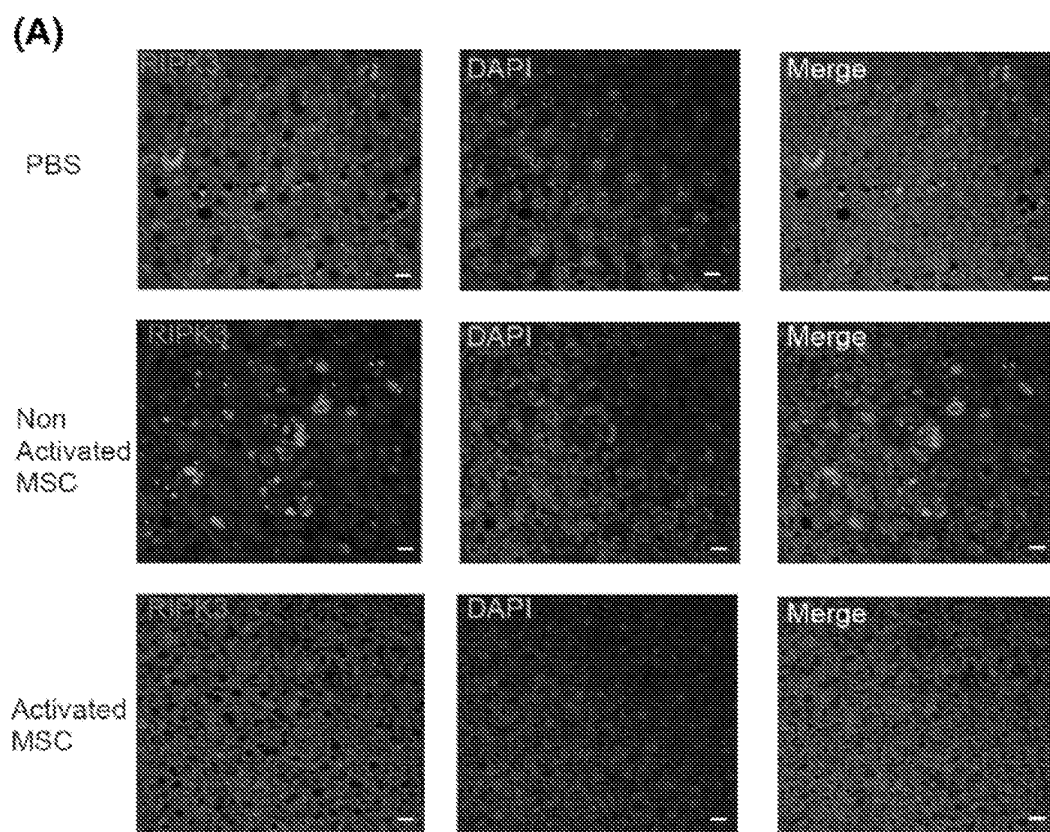


FIG. 28

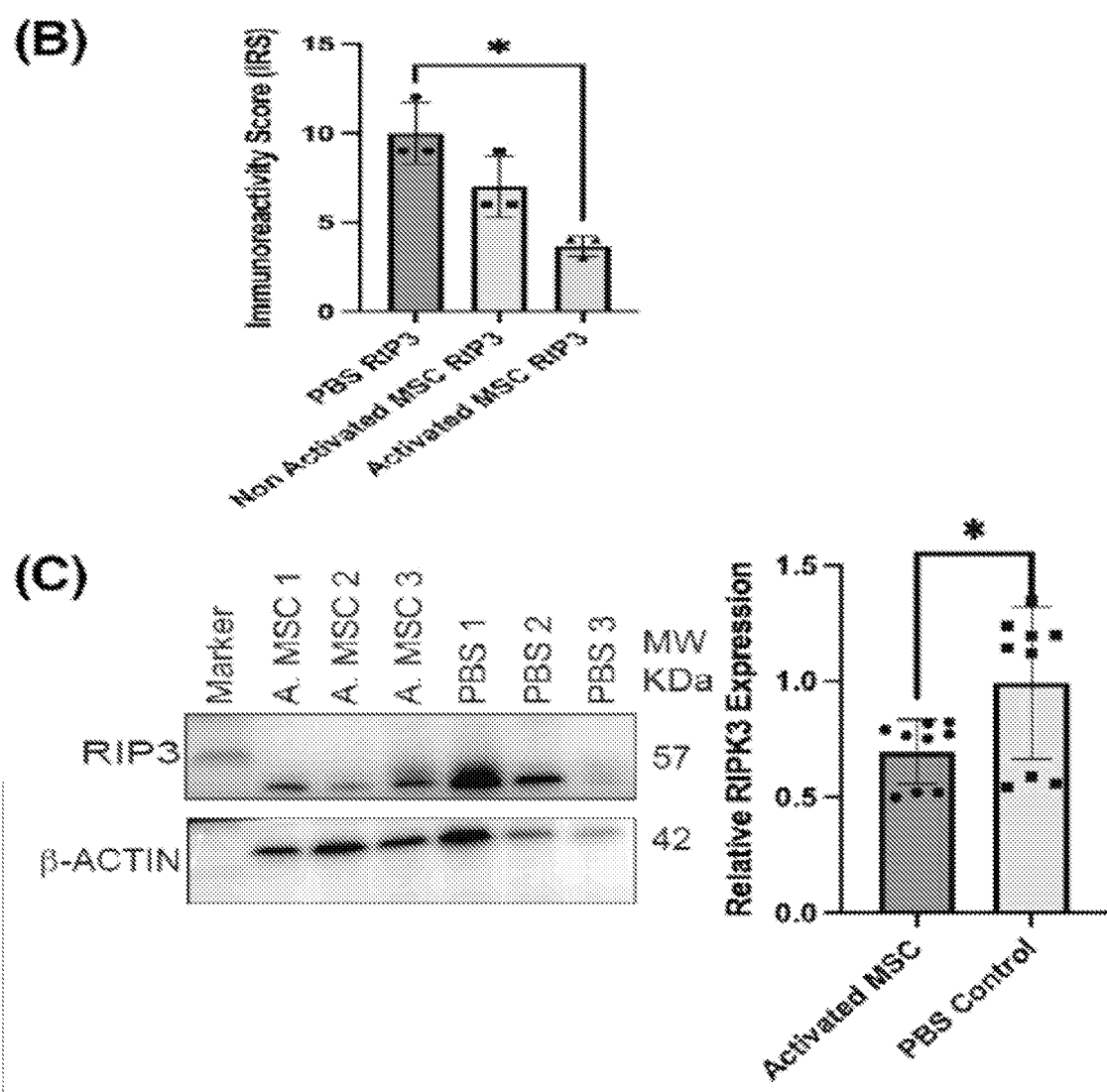


FIG. 28

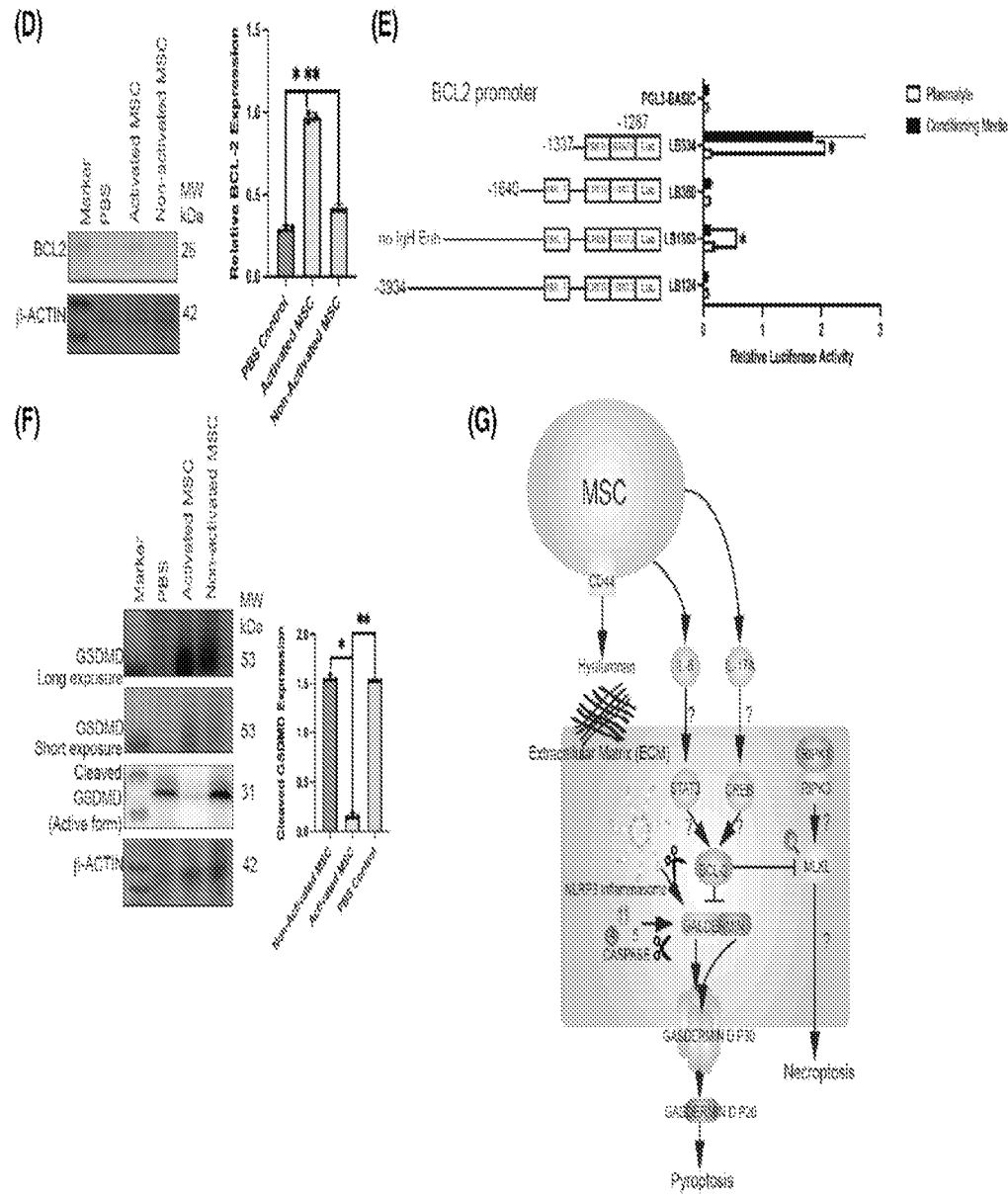


FIG. 29

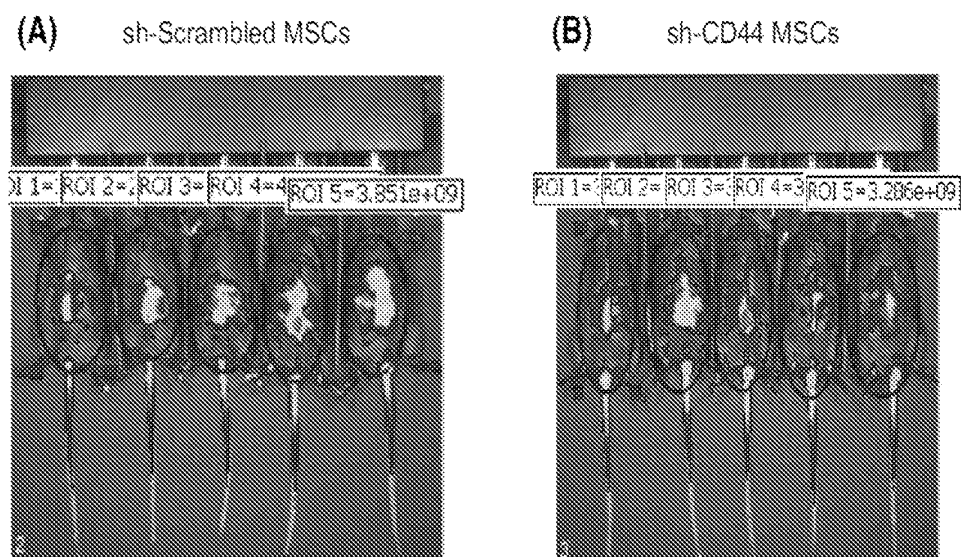


FIG. 30

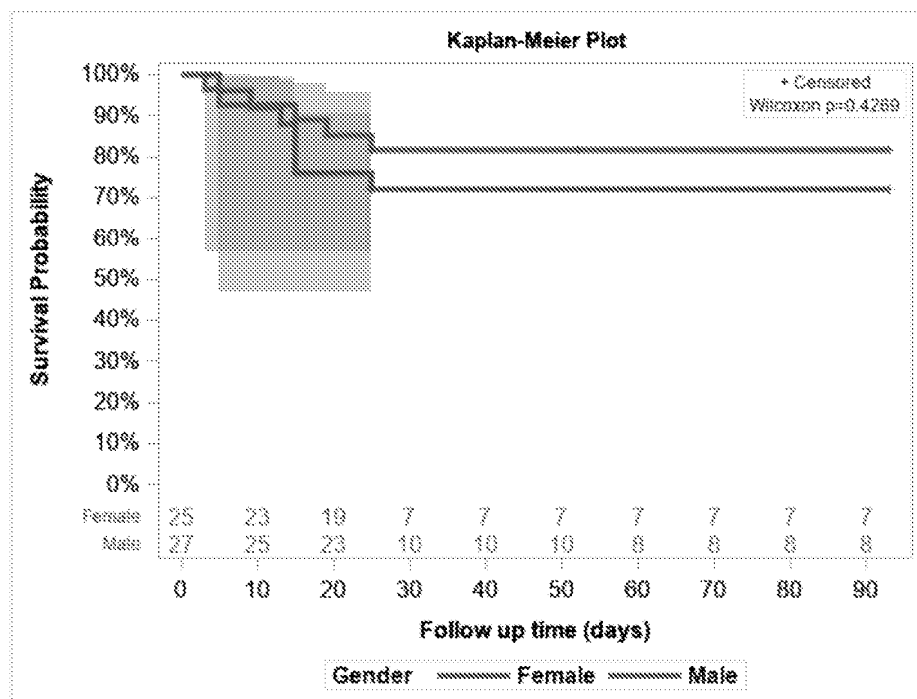


FIG. 31

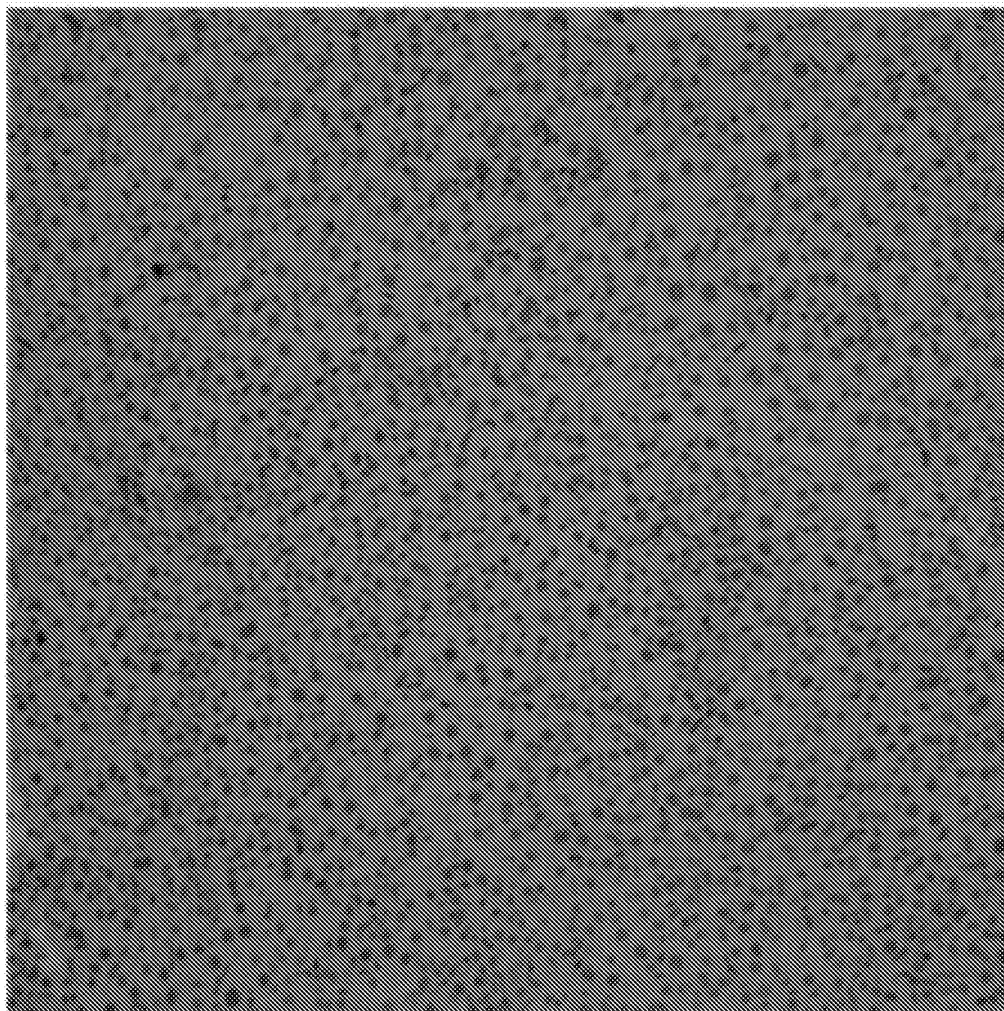


FIG. 32

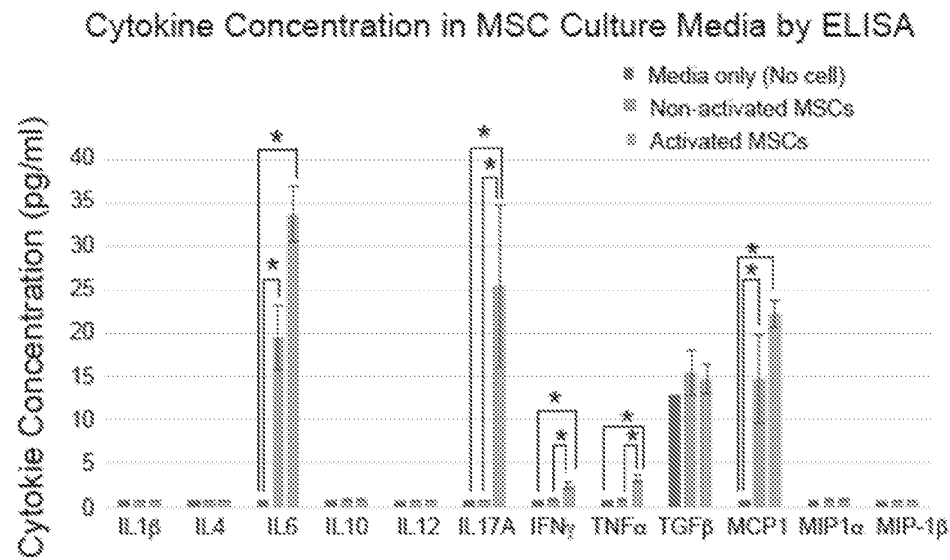


FIG. 33

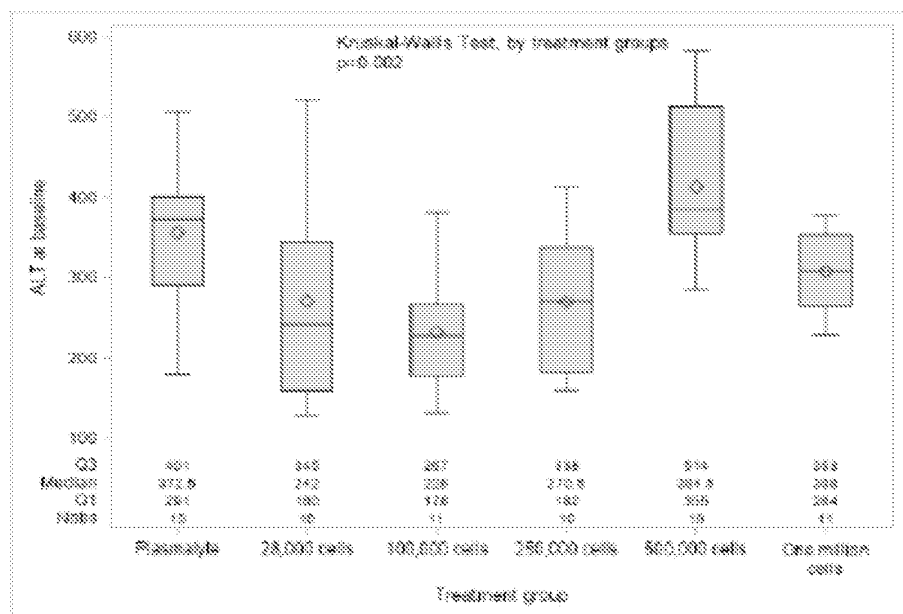


FIG. 34

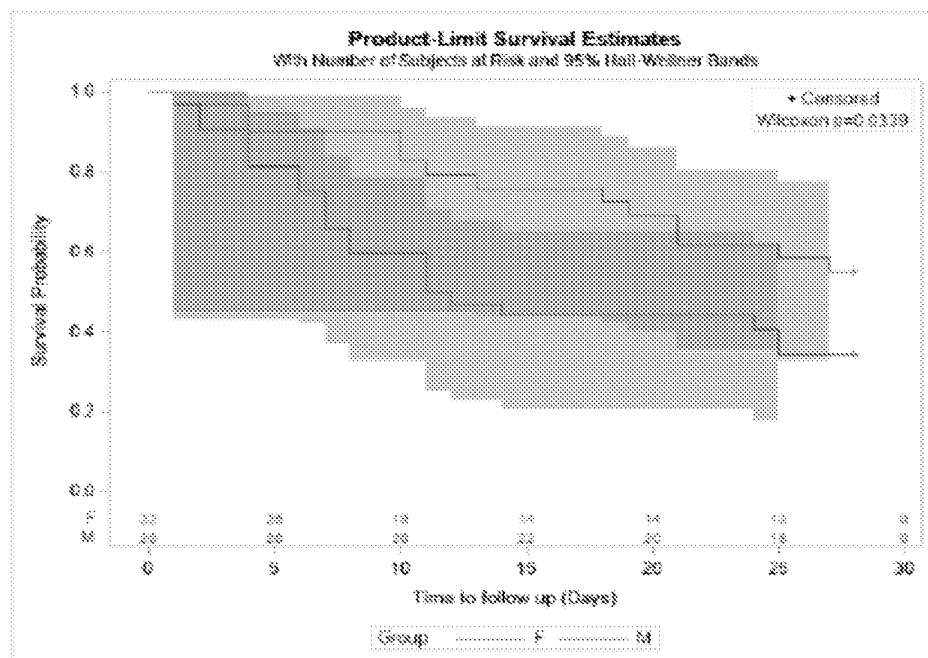


FIG. 35

