Supplementary Information for

Effectiveness of Plasmocure™ in Elimination of Mycoplasma Species from Contaminated Cell Cultures: A Comparative Study versus Other Antibiotics

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| No | Cell line name   | Cell type                      | NCBI Code | Plasmoc | Pla | BM | MycoR | Spar | Enr | Effective antibiotics               | Mycoplasma Species |
|----|------------------|--------------------------------|-----------|---------|-----|----|------|-----|-----|-------------------------------------|-------------------|
| 1  | MCF-7            | Human breast adenocarcinoma    | C135      | O       | O   | O  | O    | O   | ∆   | Plasmoc, Pla, BM MycoR, Spar        | Mhy               |
| 2  | T-47D            | Human breast ductal carcinoma  | C203      | O       | O   | O  | O    | ∆   | ∆   | Plasmoc, Pla, BM, MycoR             | Mfe               |
| 3  | RAJI             | Human Burkitt's lymphoma       | C127      | O       | X   | X  | O    | O   | ∆   | Plasmoc, MycoR, Spar                | Mfe               |
| 4  | MDA-MB231        | Human breast adenocarcinoma    | C578      | O       | O   | O  | O    | ∆   | ∆   | Plasmoc, Pla, BM, MycoR             | Mar               |
| 5  | HEP G2           | Human hepatocyte carcinoma     | C158      | O       | O   | O  | O    | X   | ∆   | Plasmoc, Pla, BM, MycoR             | Mhy               |
| 6  | Caco2            | Human colon adenocarcinoma     | C139      | O       | O   | ∆  | ∆    | ∆   | ∆   | Plasmoc, Pla, BM, MycoR             | Mar, Mhy          |
| 7  | HFFF-P16         | Human fetal foreskin fibroblast| C170      | O       | X   | O  | O    | ∆   | ∆   | Plasmoc, BM, MycoR                  | Mor               |
| 8  | Hep2             | Human larynx carcinoma         | C144      | O       | O   | O  | ∆    | ∆   | ∆   | Plasmoc, Pla, BM                    | Mhy               |
| 9  | MRC-5            | Human foetal lung fibroblast   | C125      | X       | X   | O  | O    | O   | O   | BM, MycoR, Spar, Enr                | Mar               |
| 10 | Saos-2           | Human osteogenic sarcoma       | C453      | O       | O   | ∆  | ∆    | ∆   | ∆   | Plasmoc, Pla                        | Mar, Mfe, Mhy     |
| 11 | P3X63Ag8.653     | Mouse-myeloma                  | C109      | O       | X   | X  | O    | ∆   | ∆   | Plasmoc, MycoR                      | Mar               |
| 12 | Vero             | Monkey kidney                  | C101      | O       | O   | O  | ∆    | ∆   | ∆   | Plasmoc, Pla, BM                    | Mar, Mfe, Mhy     |
| 13 | SP2/0-Ag14       | Hybridoma mouse myeloma        | C129      | O       | Δ   | O  | Δ    | ∆   | ∆   | Plasmoc, BM                         | Mfe, Mhy          |
| 14 | McCoy            | Mouse synovial tissue fibroblast| C123     | O       | O   | O  | O    | ∆   | ∆   | Plasmoc, Pla, BM, MycoR             | Mar               |
| 15 | PC3              | Human prostate adenocarcinoma  | C427      | O       | O   | O  | ∆    | ∆   | ∆   | Plasmoc, Pla, BM                    | Mhy               |
| 16 | J774A.1          | Mouse monocyte/macrophage      | C483      | O       | Δ   | O  | O    | X   | ∆   | Plasmoc, BM, MycoR                  | Mar, Mhy          |
| 17 | DAUDI            | Human Burkitt's lymphoma       | C112      | O       | X   | O  | O    | ∆   | ∆   | Plasmoc, BM, MycoR                  | Mar               |
| 18 | THP-1            | Human acute Monocytic leukemia | C563      | O       | O   | O  | O    | ∆   | ∆   | Plasmoc, Pla, BM, MycoR             | Mar               |
| 19 | CCRF-CEM         | Human acute lymphoblastic leukemia| C105     | O       | X   | O  | O    | O   | O   | Plasmoc, BM, MycoR, Spar, Enr      | Mfe               |
| 20 | PANC-1           | Human pancreas duct epithelial carcinoma| C556 | O       | O   | O  | ∆    | ∆   | ∆   | Plasmoc, Pla, BM                    | Mar, Mfe, Mhy     |
| 21 | BT-474           | Human breast ductal carcinoma  | C435      | O       | O   | O  | O    | O   | ∆   | Plasmoc, Pla, BM, MycoR             | Mar               |
| No. | Cell line name | Cell type | NCBI Code | Plasmoc | Pla | BM | MycoR | Spar | Enr | Effective antibiotics | Mycoplasma Species |
|-----|----------------|-----------|-----------|---------|------|----|-------|------|-----|-----------------------|-------------------|
| 22  | STO            | Mouse SIM fetal fibroblast | C537 | O | Δ | O | Δ | Δ | Δ | Plasmoc, BM | Mhy          |
| 23  | SKBR3          | Human breast adenocarcinoma | C207 | Δ | O | Δ | Δ | Δ | Δ | Pla | Mor, Mhy       |
| 24  | Hek293         | Human embryonic kidney cells | C497 | O | Δ | O | Δ | Δ | Δ | Plasmoc, BM | Mhy          |
| 25  | PC12 (Suspension) | Rat adrenal pheochromocytoma | C189 | O | X | O | O | O | Δ | Plasmoc, BM, MycoR, Spar | Mhy |
| 26  | WEHI-164       | Mouse BALB/c fibrosarcoma | C200 | O | O | O | O | O | Δ | Plasmoc, Pla, BM, MycoR, Spar | Mhy |
| 27  | K562           | Human CML | C122 | O | O | O | O | Δ | Δ | Plasmoc, Pla, BM, MycoR | Ala    |
| 28  | SK-N-MC        | Human neuroblastoma | C535 | O | O | Δ | Δ | Δ | Δ | Plasmoc, Pla | Mfe       |
| 29  | HL60           | Human promyelocytic leukemia | C217 | O | O | O | O | Δ | Δ | Plasmoc, Pla, BM, MycoR | Mar, Msa  |
| 30  | U937           | Human histiocytic lymphoma | C130 | O | O | O | O | Δ | Δ | Plasmoc, Pla, BM, MycoR | Mfe       |
| 31  | F3B6           | Human × mouse heterohybridoma | C197 | X | X | X | O | O | Δ | MycoR, Spar | Mar, Mor |
| 32  | CoR-L-105      | Human lung adenocarcinoma | C113 | O | O | O | Δ | Δ | Δ | Plasmoc, Pla, BM | Mor      |
| 33  | HGF3-PI 53     | Human gingival fibroblast | C502 | O | X | O | O | Δ | Δ | Plasmoc, BM, MycoR | Mhy       |
| 34  | MDA-MB-468     | Human breast adenocarcinoma | C208 | O | O | Δ | Δ | Δ | Δ | Plasmoc, Pla | Mar, Mfe, Mhy |
| 35  | A2780<sub>s</sub> | Human ovarian carcinoma (sensitive to cisplatin) | C461 | O | O | X | O | O | Δ | Plasmoc, Pla, MycoR, Spar | Mhy |
| 36  | MG63           | Human osteosarcoma | C555 | O | O | Δ | Δ | Δ | Δ | Plasmoc, Pla | Mar       |
| 37  | L929           | Mouse connective tissue fibroblast | C161 | O | O | O | O | Δ | Δ | Plasmoc, Pla, BM, MycoR | Mfe       |
| 38  | CT26           | Mouse colon carcinoma | C532 | O | Δ | O | Δ | Δ | Δ | Plasmoc, BM | Mhy       |
| 39  | Hela           | Human cervix carcinoma | C115 | O | O | Δ | Δ | Δ | Δ | Plasmoc, Pla | Mar, Mfe, Mhy |
| 40  | NIH3T3         | Mouse swiss embryo fibroblast | C156 | O | O | O | O | O | Δ | Plasmoc, Pla, BM, MycoR, Spar | Mhy |
| 41  | EL4            | Mouse T cell lymphoma | C114 | O | X | O | Δ | Δ | Δ | Plasmoc, BM | Mhy       |
| 42  | A-431          | Human squamous carcinoma | C204 | O | O | Δ | Δ | Δ | Δ | Plasmoc, Pla | Mar, Mhy |

Table S1: Continued
| No  | Cell line name                | Cell type                              | NCBI Code | Plasmoc | Pla | BM | MycoR | Spar | Enr | Effective antibiotics | Mycoplasma Species |
|-----|------------------------------|----------------------------------------|-----------|---------|----|----|-------|-----|----|------------------------|-------------------|
| 43  | B95-8                        | Marmoset EBV transformed lymphocytes    | C110      | O       | X  | O  | Δ     | Δ   | Δ  | Plasmoc, BM            | Mar, Mfe          |
| 44  | CHO                          | Chinese hamster ovary                  | C111      | O       | O  | O  | O     | O   | O  | Plasmoc, Pla, BM, MycoR, Spar, Enr | Mar               |
| 45  | JIYOYE                       | Human Burkitt's lymphoma               | C117      | O       | O  | X  | O     | O   | Δ  | Plasmoc, Pla, MycoR, Spar | Mor              |
| 46  | HUT-78                       | Human cutaneous T cell lymphoma        | C185      | O       | O  | O  | Δ     | Δ   | Δ  | Plasmoc, Pla, BM        | Mar, Mfe, Ala     |
| 47  | LNCap-FGC-10                 | Human prostate cancer                  | C439      | O       | O  | O  | O     | Δ   | Δ  | Plasmoc, Pla, MycoR      | Mhy              |
| 48  | BCL1 clone 5B1b              | Mouse lymphoma                         | C551      | X       | X  | X  | O     | O   | O  | MycoR, Spar, Enr        | Ala              |
| 49  | BW5147                       | Mouse thymoma                          | C542      | O       | X  | O  | O     | X   | Δ  | Plasmoc, BM, MycoR       | Mhy              |
| 50  | PC12                         | Rat adrenal fibroblast phaeochromocytoma | C153     | O       | Δ  | O  | Δ     | Δ   | Δ  | Plasmoc, BM              | Mhy              |
| 51  | Seraphina                    | Human Burkitt's lymphoma               | C102      | O       | O  | O  | O     | O   | O  | Plasmoc, Pla, BM, MycoR, Spar, Enr | Mfe              |
| 52  | LCL-PI 12                    | Human EBV transformed cord blood B cell | C178      | O       | O  | O  | O     | O   | O  | Plasmoc, Pla, BM, MycoR, Spar, Enr | Mfe              |
| 53  | HSF-PI 17                    | Human skin fibroblast                  | C193      | O       | X  | O  | O     | X   | Δ  | Plasmoc, BM, MycoR       | Mfe              |
| 54  | B65                          | Rat nerve tissue neuronal              | C134      | O       | X  | X  | O     | O   | Δ  | Plasmoc, MycoR           | Mar              |
| 55  | Peer                         | Human acute T cell lymphoblastic leukemia | C511     | O       | X  | O  | O     | X   | X  | Plasmoc, BM, MycoR       | Ala              |
| 56  | HL60 / mix 1                 | Human acute promyelocytic leukemia     | C553      | O       | X  | O  | O     | Δ   | Δ  | Plasmoc, BM, MycoR       | Mar, Mpi          |
| 57  | HPA / ALL                    | Human T cell acute lymphoblastic leukemia | C213     | X       | X  | X  | O     | O   | O  | Spar, Enr                | Mfe              |
| 58  | LB3.1 (HB298)                | Mouse anti human HLA-DR alpha chain    | H195      | O       | O  | Δ  | Δ     | Δ   | Δ  | Plasmoc, Pla             | Mar, Mhy, Mho    |
| 59  | A3.6B10 (HB12318)            | Mouse anti human CTLA-4 (CD152)        | H196      | O       | O  | Δ  | Δ     | Δ   | Δ  | Plasmoc, Pla             | Mar, Mhy, Mho    |
| 60  | Nalm6                        | Pre B cell leukemia                    | C212      | O       | O  | O  | O     | O   | O  | Plasmoc, Pla, BM, MycoR, Spar, Enr | Mfe              |
| 61  | KG1                          | Human caucasian bone marrow myeloid leukemia | C119  | O       | O  | O  | O     | O   | O  | Plasmoc, Pla, BM, MycoR, Spar, Enr | Msa              |
| 62  | CHO DG-44                    | Dihydrofolate reductase-deficient CHO  | C576      | O       | O  | O  | O     | O   | O  | Plasmoc, Pla, BM, MycoR, Spar, Enr | Mar              |
| 63  | G28                          | Anti human CD40                        | H150      | O       | Δ  | X  | Δ     | O   | Δ  | Plasmoc, Spar            | Mar, Mhy, Msa    |
| No  | Cell line name          | Cell type                   | NCBI Code | Plasmoc | Pla | BM | MycoR | Spar | Enr | Effective antibiotics                      | Mycoplasma Species |
|-----|-------------------------|-----------------------------|-----------|---------|-----|----|-------|------|-----|--------------------------------------------|-------------------|
| 64  | NS1                     | Mouse myeloma               | C522      | O       | O   | O  | O     | O    | O   | Plasmoc, Pla, BM, MycoR, Spar, Enr         | Mhy               |
| 65  | MDBK                    | Bovine normal kidney epithelial cells | C500      | O       | O   | X  | Δ     | Δ    | Δ   | Plasmoc, Pla                              | Mar, Mhy          |
| 66  | Rael                    | Human Burkitt's lymphoma    | C186      | X       | O   | X  | Δ     | Δ    | Δ   | Plasmoc                                   | Mor               |
| 67  | DFW                     | Human melanoma              | C496      | O       | O   | O  | O     | O    | O   | Plasmoc, Pla, BM, MycoR, Spar, Enr        | Mfe               |
| 68  | LCL PI7                 | Human EBV-transformed peripheral blood B cells | C175      | O       | O   | O  | O     | O    | Δ   | Plasmoc, Pla, BM, MycoR, Spar             | Mfe               |
| 69  | B16F10                  | Mouse melanoma              | C540      | O       | O   | Δ  | Δ     | Δ    | Δ   | Plasmoc, Pla                              | Mar, Mfe, Mhy    |
| 70  | ASPC1                   | Human pancreas adenocarcinoma | C558      | O       | O   | Δ  | Δ     | Δ    | Δ   | Plasmoc, Pla                              | Mhy, Mpi          |
| 71  | HT29                    | Human colon adenocarcinoma  | C466      | O       | O   | O  | Δ     | Δ    | Δ   | Plasmoc, Pla, BM                          | Mhy               |
| 72  | LS180                   | Human colon adenocarcinoma  | C508      | O       | X   | O  | O     | O    | Δ   | Plasmoc, BM, MycoR, Spar                  | Mar               |
| 73  | MOLT-17                 | Human T cell leukemia       | C516      | O       | O   | O  | O     | O    | O   | Plasmoc, Pla, BM, MycoR, Spar, Enr        | Mfe               |
| 74  | CAOV-4                  | Human ovary adenocarcinoma  | C595      | O       | O   | O  | Δ     | Δ    | Δ   | Plasmoc, Pla, BM                          | Mfe, Mge          |
| 75  | T45                     | Human T cell acute lymphoblastic leukemia | C180      | X       | X   | O  | O     | O    | Δ   | BM, MycoR, Spar                           | Mpi               |
| 76  | DND-41                  | Human T cell acute lymphoblastic leukemia | C183      | O       | O   | O  | O     | O    | Δ   | Plasmoc, Pla, BM, MycoR                  | Mor               |
| 77  | RpmI8402                | Human T cell acute lymphoblastic leukemia | C184      | O       | O   | X  | X     | O    | O   | Plasmoc, Pla, BM, MycoR, Spar, Enr        | Mfe               |
| 78  | LL/2(LLC1)              | Mouse lewis lung carcinoma  | C587      | O       | O   | Δ  | Δ     | Δ    | Δ   | Plasmoc, Pla                              | Mar, Mhy, Ala    |
| 79  | BHK21-2PCLone13         | Human syrian kidney (suspension culture) | C108      | O       | Δ   | O  | Δ     | Δ    | Δ   | Plasmoc, BM, MycoR, Spar                  | Mar, Mfe          |
| 80  | HFIF PI4                | Human fetal liver fibroblast | C168      | O       | X   | O  | O     | Δ    | Δ   | Plasmoc, BM, MycoR                        | Mfe, Mhy, Uur    |
| 81  | DU145                   | Human prostatic carcinoma   | C428      | O       | O   | O  | Δ     | Δ    | Δ   | Plasmoc, Pla, BM                          | Mar, Mhy, Mpn     |
| 82  | SK-MEL-37               | Human malignant melanoma    | C653      | O       | O   | O  | O     | Δ    | Δ   | Plasmoc, Pla, BM                          | Mar, Mhy          |
| 83  | JIMT-1                  | Human breast carcinoma      | C652      | O       | O   | O  | Δ     | Δ    | Δ   | Plasmoc, Pla, BM                          | Mfe, Mhy          |
| 84  | Mv1Lu                   | American mink-Lung          | C647      | O       | O   | Δ  | Δ     | Δ    | Δ   | Plasmoc, Pla                              | Mar, Mpn          |
## Table S1: Continued

| No* | Cell line name               | Cell type                              | NCBI Code | Plasmoc | Pla | BM | MycoR | Spar | Enr | Effective antibiotics          | Mycoplasma Species |
|-----|------------------------------|----------------------------------------|-----------|---------|-----|----|-------|------|----|---------------------------------|-------------------|
| 85  | CHO-K1                       | Chinese Hamster Ovary                  | C645      | O       | O   | O  | O     | O    | Δ   | Plasmoc, Pla, BM, MycoR, Spar  | Mar               |
| 86  | MCF10A                       | Human non-tumorigenic breast epithelial | C609      | Δ       | O   | Δ  | Δ     | Δ    | Δ   | Pla                             | Mfe, Mor, Uur     |
| 87  | KATO III                     | Human gastric carcinoma                | C640      | O       | O   | X  | X     | O    | X   | Plasmoc, Pla, Spar              | Mar               |
| 88  | KPL-1                        | Human Breast Carcinoma                 | C643      | O       | X   | O  | O     | O    | Δ   | Plasmoc, BM, MycoR, Spar        | Mhy               |
| 89  | RAW264.7                     | Mouse monocyte macrophage              | C639      | O       | Δ   | O  | Δ     | Δ    | Δ   | Plasmoc, BM                      | Mar, Mhy          |
| 90  | SW872                        | Human connective tissue fibrosarcoma   | C638      | O       | O   | O  | O     | Δ    | Δ   | Plasmoc, Pla, BM, MycoR         | Mor               |
| 91  | NFS-60                       | Mouse myeloblast                       | C603      | O       | O   | O  | O     | O    | O   | Plasmoc, Pla, BM, MycoR, Spar   | Mfe               |
| 92  | 4T1                          | Mouse mammary gland tumor              | C604      | O       | Δ   | Δ  | Δ     | Δ    | Δ   | Plasmoc                          | Mar               |
| 93  | BFA                          | Bovine aorta endothelium foetal        | C608      | O       | O   | Δ  | Δ     | Δ    | Δ   | Plasmoc, Pla                     | Mar, Ala          |
| 94  | P3U1                         | Mouse myeloma                          | C579      | O       | O   | O  | O     | Δ    | Δ   | Plasmoc, Pla, BM, MycoR          | Mhy               |
| 95  | C6                           | Mouse glioma                           | C575      | O       | O   | O  | O     | Δ    | Δ   | Plasmoc, Pla, BM, MycoR          | Mfe               |
| 96  | BHY                          | Human oral squamous carcinoma          | C622      | Δ       | Δ   | O  | Δ     | Δ    | Δ   | BM                              | Mor, Mhy, Msa     |
| 97  | U266B1                       | Human Myeloma                          | C151      | O       | O   | O  | O     | Δ    | Δ   | Plasmoc, Pla, BM, MycoR          | Mfe               |
| 99  | OVCAR-3                      | Human ovary adenocarcinoma             | C430      | O       | Δ   | O  | Δ     | Δ    | Δ   | Plasmoc, BM                      | Mar, Mhy          |
| 100 | OLN-93                       | Rat oligodendroglia                    | C617      | O       | O   | O  | O     | Δ    | Δ   | Plasmoc, Pla, BM, MycoR          | Mhy               |

O: Cured, Δ: Regrowth, X: Culture death, Plasmoc; Plasmocure™, Pla; Plasmocin™, BM; BM-cyclin (Roche), MycoR; MycoRAZOR™, Spar; Sparfloxacin, Enr; Enrofloxacin, NCBI; National Cell Bank of Iran, Mar: M.arginini, Mfe; M.fermentans, Mor: M.orale, Mhy: M.hyorhinis, Ala: A.laidlawii, Msa; M.salivarium, Mpi; M.pirum, Mho; M.hominis, Mge; M.genitalium, Uur; U.urealyticum, and Mpm; M.pneumoniae.