**Table S1.** The isolated pathogens in both methods.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CM****First day** | **CM****Fifth day** | **CM****Tenth day** | **KwM****First day** | **KwM****Fifth day** | **KwM****Tenth day** |
| **Negative** | *Candida parapsilosis* | **Negative** | *Candida parapsilosis* | **Negative** | **Negative** |
| *Chryseobacterium indologenes* | *Chryseobacterium indologenes* | *Chryseobacterium indologenes* | *Chryseobacterium indologenes* | *Chryseobacterium indologenes* | *Chryseobacterium indologenes* |
| *Enterococcus avium* | *Enterococcus avium* | ***Pseudomonas aeruginosa*** | *Enterococcus avium* | *Enterococcus avium* | *Enterococcus avium* |
| *Enterococcus faecalisStaphylococcus epidermidis* | *Enterococcus faecalisStaphylococcus epidermidis* | *Enterococcus faecalisStaphylococcus epidermidis* | *Enterococcus faecalisStaphylococcus epidermidis* | *Enterococcus faecalisStaphylococcus epidermidis* | **Negative** |
| **Negative** | **Negative** | ***Staphylococcus hominis*** | ***Klebsiella pneumoniaeProteus mirabilis*** | *Klebsiella pneumoniaeProteus mirabilis* | *Klebsiella pneumoniaeProteus mirabilis* |
| *Enterococcus aviumCandida albicans* | *Enterococcus aviumCandida albicans* | *Enterococcus aviumCandida albicans* | *Enterococcus aviumCandida albicans* | *Enterococcus aviumCandida albicans* | *Enterococcus aviumCandida albicans* |
| *Enterococcus faecalisStaphylococcus aureusStreptococcus mitis/oralis* | *Enterococcus faecalisStaphylococcus aureusStreptococcus mitis/oralis* | *Enterococcus faecalisStaphylococcus aureusStreptococcus mitis/oralis* | *Enterococcus faecalisStaphylococcus aureusStreptococcus mitis/oralis* | *Enterococcus faecalisStaphylococcus aureusStreptococcus mitis/oralis* | *Enterococcus faecalisStaphylococcus aureusStreptococcus mitis/oralis* |
| *Enterococcus faecalisStaphylococcus aureusStaphylococcus sciuri* | *Enterococcus faecalisStaphylococcus aureusEscherichia coli* | *Enterococcus faecalisStaphylococcus aureusEscherichia coli* | *Enterococcus faecalisStaphylococcus aureusStaphylococcus sciuri* | *Enterococcus faecalisStaphylococcus aureusEscherichia coli* | *Enterococcus faecalisStaphylococcus aureusEscherichia coli* |
| *Candida albicans* | *Candida albicans* | *Candida albicans* | *Candida albicans* | *Candida albicans* | *Candida albicans* |
| *Enterococcus faecalisSerratia rubidaea* | *Enterococcus faecalisSerratia rubidaea* | *Enterococcus faecalisSerratia rubidaea* | *Enterococcus faecalisSerratia rubidaea* | *Enterococcus faecalisSerratia rubidaea* | *Enterococcus faecalisSerratia rubidaea* |
| *Staphylococcus aureusEnterococcus avium* | *Staphylococcus aureusEnterococcus avium* | *Staphylococcus aureusEnterococcus avium* | *Staphylococcus aureus* | *Staphylococcus aureusEnterococcus avium* | *Staphylococcus aureusEnterococcus avium* |
| *Staphylococcus aureus* | *Staphylococcus aureus* | *Staphylococcus aureus* | *Staphylococcus aureus* | *Staphylococcus aureus* | *Staphylococcus aureus* |
| *Serratia liquefaciensPseudomonas aeruginosaEnterococcus faecalis* | *Serratia liquefaciensPseudomonas aeruginosaEnterococcus faecalis* | *Serratia liquefaciensPseudomonas aeruginosaEnterococcus faecalis* | *Serratia liquefaciensPseudomonas aeruginosaEnterococcus faecalis* | *Serratia liquefaciensPseudomonas aeruginosaEnterococcus faecalis* | *Serratia liquefaciensPseudomonas aeruginosaEnterococcus faecalis* |
| *Streptococcus mitis/oralis* | *Streptococcus mitis/oralis* | *Streptococcus mitis/oralis* | *Streptococcus mitis/oralis* | *Streptococcus mitis/oralis* | *Streptococcus mitis/oralis* |
| *Proteus vulgarisEnterococcus faecalis* | *Proteus vulgaris* | *Proteus vulgarisEnterococcus faecalis* | *Proteus vulgaris****Pseudomonas aeruginosa*** | *Proteus vulgarisEnterococcus faecalis* | *Proteus vulgarisEnterococcus faecalis* |
| *Citrobacter* spp. | *Citrobacter* spp. | *Citrobacter* spp. | *Citrobacter* spp. | *Citrobacter* spp. | *Citrobacter* spp. |
| *Proteus vulgarisEnterococcus faecalis* | *Proteus vulgarisEnterococcus faecalis* | *Proteus vulgarisEnterococcus faecalis* | *Proteus vulgarisEnterococcus faecalis* | *Proteus vulgarisEnterococcus faecalis****Morganella morganii*** | *Proteus vulgarisEnterococcus faecalis* |
| *Pseudomonas aeruginosa* | *Pseudomonas aeruginosaStaphylococcus aureus****Enterococcus faecalis*** | *Pseudomonas aeruginosaStaphylococcus aureusEnterococcus faecalis* | *Pseudomonas aeruginosaStaphylococcus aureus* | *Pseudomonas aeruginosaStaphylococcus aureus* | *Pseudomonas aeruginosa* |
| *Staphylococcus epidermidis* | *Staphylococcus epidermidis* | *Staphylococcus epidermidis* | *Staphylococcus epidermidis* | *Staphylococcus epidermidis* | *Staphylococcus epidermidis* |
| *Enterococcus faecalisStaphylococcus aureus* | *Enterococcus faecalisStaphylococcus aureus* | *Enterococcus faecalisStaphylococcus aureus* | *Enterococcus faecalisStaphylococcus aureus* | *Enterococcus faecalisStaphylococcus aureus* | *Enterococcus faecalisStaphylococcus aureus* |
| *Morganella morganii* | *Morganella morganii* | *Morganella morganii* | *Morganella morganii* | *Morganella morganii* | *Morganella morganii* |
| *Pseudomonas aeruginosa* | *Pseudomonas aeruginosa* | *Pseudomonas aeruginosa* | *Pseudomonas aeruginosa* | *Pseudomonas aeruginosa* | *Pseudomonas aeruginosa* |
| **Negative** | **Negative** | **Negative** | **Negative** | **Negative** | **Negative** |
| *Streptococcus oralis*/*mitis* | **Negative** | *Streptococcus oralis*/*mitis* | *Streptococcus oralis*/*mitis* | **Negative** | *Streptococcus oralis*/*mitis****Streptococcus agalactiae*** |
| *Staphylococcus aureus* | *Staphylococcus aureus* | *Staphylococcus aureus* | *Staphylococcus aureus* | *Staphylococcus aureus* | *Staphylococcus aureus* |
| *Pseudomonas aeruginosa* | *Pseudomonas aeruginosa* | *Pseudomonas aeruginosa* | *Pseudomonas aeruginosa* | *Pseudomonas aeruginosa****Enterococcus aviumEnterococcus faecalisKlebsiella oxytoca*** | *Pseudomonas aeruginosaEnterococcus aviumEnterococcus faecalisKlebsiella oxytoca* |
| *Klebsiella pneumoniae* | *Klebsiella pneumoniaeEnterococcus faecalis* | *Klebsiella pneumoniaeEnterococcus faecalis* | *Klebsiella pneumoniae* | *Klebsiella pneumoniaeEnterococcus faecalis* | *Klebsiella pneumoniaeEnterococcus faecalis* |
| *Morganella morganniiEnterococcus faecalis* | *Morganella morganniiEnterococcus faecalis* | *Morganella morganniiEnterococcus faecalis* | *Morganella morganniiEnterococcus faecalis* | *Morganella morganniiEnterococcus faecalis* | *Morganella morganniiEnterococcus faecalis* |
| *Staphylococcus aureusEnterococcus aviumMorganella morgannii* | *Staphylococcus aureusEnterococcus aviumMorganella morgannii* | *Staphylococcus aureusEnterococcus aviumMorganella morgannii* | *Staphylococcus aureusEnterococcus aviumMorganella morgannii* | *Staphylococcus aureusEnterococcus aviumMorganella morgannii* | *Staphylococcus aureusEnterococcus aviumMorganella morgannii* |
| **Negative** | *Staphylococcus epidermidis* | *Staphylococcus epidermidis* | *Staphylococcus epidermidis* | *Staphylococcus epidermidis* | *Staphylococcus epidermidis* |
| *Staphylococcus epidermidis* | *Staphylococcus epidermidis* | *Staphylococcus epidermidis* | *Staphylococcus epidermidis* | *Staphylococcus epidermidis****Morganella morganii*** | *Staphylococcus epidermidisMorganella morganii* |

CM (conventional method)

KwM (K-wire method)