

# AAMI RD62-2001 RECOMMENDATIONS

## AAMI recommended Bacteria and Endotoxin Levels

| Fluid   | Bacteria (CFU/ml)     | Endotoxin (EU/ml)              |
|---|-----------------------|--------------------------------|
| Water used for dialysate, reprocessing of hemodialyzers, germicide production | >200/<50 action level | > 2 / < 1 action level         |
| Dialysate   | < 2,000               | no recommendation at this time |
| Bicarbonate Concentrate   | < 200                 | < 2                            |
| Minimum Frequency   | Monthly               | Monthly                        |

## AAMI and EPA Maximum Allowable Levels of Contaminants in Water with Reported Dialysis Toxicity

| Contaminant    | AAMI Maximum for Dialysis Water (mg/L)     | EPA Maximum for Drinking Water (mg/L) 2000          | Lowest Concentration Associated with Dialysis Toxicity (mg/L) |
|----------------|--|---|---|
| Calcium        | 2 (0.1 mEq/L)                              | Not regulated                                       | 88  |
| Magnesium      | 4 (0.3 mEq/L)                              | Not regulated                                       |   |
| Potassium      | 8 (0.2 mEq/L)                              | Not regulated                                       |   |
| Sodium         | 70 (3.0 mEq/L)                             | Not regulated                                       | 300   |
| Antimony       | 0.006                                      | 0.006   |   |
| Arsenic        | 0.005                                      | 0.05  |   |
| Barium         | 0.10                                       | 2   |   |
| Beryllium      | 0.0004                                     | 0.004   |   |
| Cadmium        | 0.001                                      | 0.005   |   |
| Chromium       | 0.014                                      | 0.10  |   |
| Lead           | 0.005                                      | 0.015**   |   |
| Mercury        | 0.0002                                     | 0.002   |   |
| Selenium       | 0.09                                       | 0.05  |   |
| Silver         | 0.005                                      | 0.10*   |   |
| Aluminum       | 0.01                                       | 0.05-0.2*   | 0.06  |
| Chloramines    | 0.10                                       | 4.0*  | 0.25  |
| Free Chlorine  | 0.50                                       | 4.0*  |   |
| Copper         | 0.10                                       | 1.3**   | 0.49  |
| Fluoride       | 0.20                                       | 4.0   | 1.0   |
| Nitrate (as N) | 2.0  | 10  | 21  |
| Sulfate        | 100  | 250*  | 200   |
| Thallium       | 0.002                                      | 0.002   |   |
| Zinc           | 0.10                                       | 5*  | 0.2   |
| Bacteria       | < 200 cfu/ml<br>(action level > 50 cfu/ml) | HPC Bacteria: 500 cfu/ml<br>Coliform Bacteria: 0*** | 200 cfu/ml  |
| Endotoxin      | < 2 EU/ml<br>(action level > EU/ml)        | Not regulated                                       | 5 EU/kg/body weight/hr.                                       |

\* Unenforceable Maximum contaminant level goal (Secondary Standard) \*\* Action level at 90<sup>th</sup> percentil \*\*\* 95% of the samples (all positive results must be resolved)



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