WE CLAIM:

1. An intrinsically anti-microbial hollow fiber membrane for filtration of liquids comprising a plurality of porous hollow membrane fibers with an outside-in flow wherein the hollow membrane fibers are formed from a polymer or polymer mix by embedding anti-microbial substance directly into it to make these fibers intrinsically antimicrobial in nature.

2. The intrinsically anti-microbial hollow fiber membrane of claim 1, wherein the hollow fibers are formed from a polymer, optionally a thermosetting polymer.

3. The intrinsically anti-microbial hollow fiber membrane of any of the preceding claims, wherein the fibers comprise or consist of from 12% to 25% polyethersulfone, of from 5 to 20% polyvinylpyrrolidone, of from 70% to 90%, N-methyle pyrrolidone solution and of from 10% to 45% polyethylene glycol, optionally the fibers also comprise poly carbonates, poly amides, and aqueous iso-propyl or any combination thereof.

4. The intrinsically anti-microbial hollow fiber membrane according to claim 1 or 2, wherein the fibers comprise or consist of from 10%-25% polysulfon and from 5% to 15% polyvinyl pyrrolidone.

5. The intrinsically anti-microbial hollow fiber membrane according to claim 1 or 2, wherein the fibers comprise or consist of from 3%-25% polyethersulfon and from 5% to 15% polyvinylpyrrolidone.

6. The intrinsically anti-microbial hollow fiber membrane of any of the preceding claims, wherein the fibers are intrinsically antimicrobial in nature.