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U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES  
National Institutes of Health



National Institutes of Health Commercialization Assistance Program  
(NIH-CAP)

## Company Profile

### Industry Sector:

Medical devices, reprocessing, dialysis, endoscopy

### Company Overview:

Medical device company with paradigm shifting cleaning technology for narrow passageways

### Target Market(s):

Dialysis  
Endoscopy  
Cleaning, disinfection, and cold sterilization  
Membranes, microfluidics, bioprocessing, clean-in-place, UHP water systems  
Biofilm prevention and removal

## Key Value Drivers

### Technology\*:

Two phase cleaning to reuse hemodialyzers (also called dialysis membranes, dialyzer reprocessing, clearance recovery, hemodialysis)

### Competitive Advantage:

Orders of magnitude better cleaning, volume and clearance recovery  
Can easily reuse dialysis membranes up to 20-40 times  
Can get the benefit of single use dialyzers at the price of reused membranes

### Plan & Strategy:

Organic growth of sales starting regionally and branching out into major U.S. centers

## Management

### Leadership:

Dr. Mohamed E. Labib, CEO  
Ernie Elgin, COO  
Dr. Charles Brumlik, CTO  
Frank Joworisak, CFO

## Product Development

2008

Prepare sales and marketing timeline, budget, and materials  
FDA submission  
Start sales of:

ClearFlux cleaning instrument  
Cleaning solutions  
Disinfection solutions

