**Techinal specification For Heamodialysis Machines**

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| **Index** | **Bidders specification &comments** | **requirements** | **Feartures** | **Subject** |
|  |  | With Troily | Dimensions (HXWXD) | Treatment Modulity & Technical data |
|  |  |  | Weight |
|  |  | AC 110 – 230 V | Electrical data |
|  |  | Watt  |
|  |  | Temperature  | Watter SupplY |
|  |  | Pressure  |
|  |  | Standard AAMI |
|  |  | Sequential Dialysis | Function |
|  |  | Single Needle(Single Pump) |
|  |  | Double Needle Dialysis |
|  |  | TOUCh Screen display or OCM System |
|  |  |  |
|  |  | Self Cheek |
|  |  | Battery Back UP |
|  |  | UF Rate 0 to 3000 Ml/h | UF Control |
|  |  | Accuracy Max + 3% |
|  |  | Volometric Control |
|  |  | Chemical | Disinfectant system |
|  |  | Thermal |
|  |  | Combined |

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|  |  | 0.1 To 10 ML/hr  | Delivrey Range | Heparin Pump |
|  |  | 10 , 20 , 30 / ml | Syringe Size |
|  |  | Adjustable from 300to 800 ml/min With 5 Steps | Dialysate Flow meter | Sensors |
|  |  | 100 micro Liter/min | Bubble Detector |
|  |  | 200 to + 400- | Venous pressure |
|  |  | -300 to +300 | Arterials pressure |
|  |  |  | Blood Leackage detector |
|  |  | Adaptable to use Rutine bicarbonate Car trige in iran ( max price < 2 Euro / bag)  |  | Should be equipped with |
|  |  | Adaptable to connecting tubes with two segment pump and blood flow monitoring |
|  |  | Thermometer dialysis solution (35-39)c |
|  |

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|  |  | Bicarbonate Powder | Dialysis Using  | System & profiling |
|  |  | Bicarbonate Solution  |
|  |  | Acetate Solution  |
|  |  | ‍ sodium or Conductivity  | Profiling for  |
|  |  | Bicarbonate  |
|  |  | UF |
|  |  |  |
|  |  | 50 ml/min - 500 ml/min | Blood Flow meter Adjusting system |
|  |  | Auto Priming system | Qualification  | Standard certificate & Guardedly |
|  |  | Automatic and digital troubling detector system  |
|  |  |  |
|  |  | CE or FDA | Certificate |
|  |  | 93/42/EEC | Standard |

جدول مقايسه اي ماشين همودياليز

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| رديف | نام ماشين | مدل | مشخصات فني | پودر بيكربنات | قيمت (Uro) | لوله رابط | قيمت | توضيحات |
| 1 | B-Braun | ِDialog- Plus | √ | **عمومي**  | (uro) 1058 | عمومي  | 25000( ريال ) | همراه با باطري ذخيره  |
| 2 | Gambro | AK96-Bio | √ | **عمومي**  | (uro) 1058 | عمومي  | 25000( ريال ) | همراه با باطري ذخيره |
| 3 | Nipro | Surdial 55 Plus  | √ | **عمومي**  | (uro) 1058 | عمومي  | 25000( ريال ) | همراه با باطري ذخيره  |
| 4 | Fresenius | 4008 S Calssic | √ | **اختصاصي**  | (uro) 3/2 | اختصاصي  | 30000( ريال ) | قيمت اعلام شده تقريبي مي باشد  |
| 5 | J.M.S | SDS - 50 | توضيحات | **اختصاصي** | (uro) 16/3 | عمومي | 25000( ريال ) | فاقد شستشوي حرارتي و استاندارد CE ( براساس اطلاعات كاتالوگ 2010 ) |