



restoring eco balance...

WATER FOR HAEMODIALYSIS & RELATED THERAPIES

# WATER TREATMENT SYSTEM

Water is the starting point of any dialysis treatment. For a patient, water quality is as critical to survival as the treatment itself. Since water makes up 95% of dialysate, its safety directly affects patient health. Safe hemodialysis requires water that meets National & International Standards. (IS 17646 P-3 & ISO 23500-3)



## TREATMENT SYSTEM

- Tailored RO-based Water Treatment system.
- Includes skid-mounted RO unit with sand, carbon, and 5 µm cartridge filtration.
- Equipped with raw and high-pressure feed pumps, anti-scaling dosing, and pressure vessels with RO membranes.
- Fully instrumented and delivered plug-and-play control panels, gauges, flow meters, cabling and piping.

## OUR USP

- Team of Specialists (Research Scientists, Engineers, Quality Control and Quality Assurance experts) under one roof.
- Trusted partner from last 2 decades.
- Sustainable technology and maintenance support round the year.
- Performance evaluation through in-house, Government approved & accredited Testing Lab



KEEP IN TOUCH:

**Eco Paryavaran Laboratories & Consultants Pvt. Ltd.**

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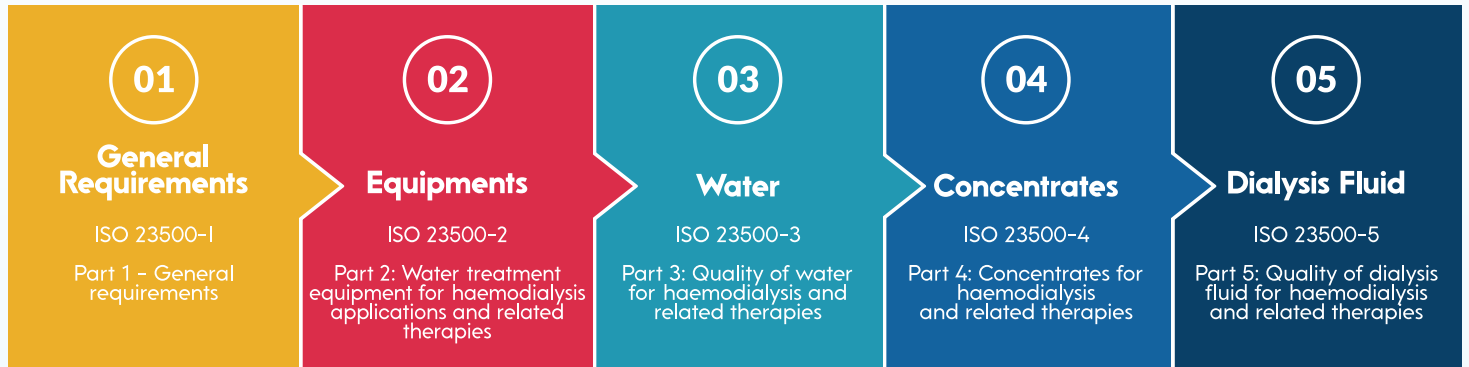


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## AN ACCREDITED TESTING FACILITY FOR THE TESTING OF WATER FOR MEDICINAL PURPOSES (HAEMODIALYSIS AND RELATED THERAPIES)

### ISO 23500 Series

Preparation and quality management of fluids for haemodialysis and related therapies.



Accredited Testing Facility as per ISO 17025 2017 [Bacterial Endotoxin Test] and Metallic impurities by ICP-MS

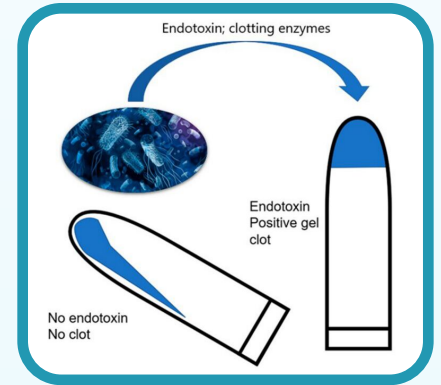
### DIALYSIS WATER TESTING SERVICES

- Testing Facility is available for all the test parameters as required by International Standards ISO 23500-3 and Indian Standard IS -17646
- Sample collection facility is also available Pan India basis.
- We ensure utmost precaution during sample collection using specialized container to avoid any false failure.

### TESTING FACILITY FOR HAEMODIALYSIS WATER (In accordance of ISO 23500-3)

#### MAXIMUM CONCENTRATION (mg/L) OF CONTAMINANTS

SL	Test parameters	Limits (mg/L)	Remarks
1.	Aluminium	0.01	
2.	Total chlorine	0.1	
3.	Copper	0.1	
4.	Fluoride	0.2	
5.	Lead	0.005	
6.	Nitrate (as N)	2	
7.	Sulphate	100	
8.	Zinc	0.1	
<b>Maximum concentration of Electrolyte added in water</b>			
9.	Calcium	2	
10.	Magnesium	4	
11.	Potassium	8	
12.	Sodium	70	
<b>Maximum allowable concentration of other trace metal</b>			
13.	Antimony	0.006	
14.	Arsenic	0.005	
15.	Barium	0.1	
16.	Beryllium	0.0004	
17.	Cadmium	0.001	
18.	Chromium	0.014	
19.	Mercury	0.0002	
20.	Selenium	0.09	
21.	Silver	0.005	
<b>Microbial requirements</b>			
22.	Total viable microbial counts	Less than 100 CFU/ml	Action level 50 CFU/ml
23.	Endotoxin content	Less than 0.25 EU/ml	Action level 0.125 EU/ml



*We can help together to the diseased people by taking Smaller Proactive Initiatives to save their lives.*



### KEEP IN TOUCH:

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