Affordable Care

NorrDia High Flux Dialyzer

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FIBER HEMODIALYZER

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Affordable Care

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Based on our teams' years of experience within the renal industry, NorrDia truly understands the evolving needs in modern dialysis care.

We recognize the changing demands of patients, healthcare professionals, as well health care globally. Our mission is simple: "Help professionals improve quality of care".

This mission is the foundation of NorrDia and drives everything we do.

Our dialyzers can be used in HF, HD or HDF modalities. Manufactured in state-of-the-art facilities equipped with the latest technology, our NorrDia dialyzers will consistently satisfy the requirements of patients, health care professionals and care providers.

By balancing performance, affordability, and environmental responsibility, NorrDia H dialyzer series provides a smart choice in modern dialysis care.



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We call this Affordable Care

- CLINICAL PERFOMANCE
- OPERATIONAL SIMPLICITY ECONOMICAL CHOICE



High permeability for Effective Treatment Advanced Membrane Technology for Safe and Effective Treatment

NorrDia H dialyzer series is designed for high permeability therapy, efficiently removing small and large uremic toxins to support effective hemodialysis. With high clearance rates for all key molecules, they enable the prescribed removal targets to be met within standard treatment times — critical for delivering high-quality dialysis care.

By ensuring the effective elimination of uremic toxins and excess fluid, NorrDia H dialyzer series helps achieve intended post-dialysis levels efficiently.

Performance data (see table on page 6) demonstrates that NorrDia H dialyzer series meets and exceeds the removal rates of dialyzers from leading ICHD brands, setting new benchmarks in dialysis treatment.

High Permeability with Minimal Albumin Loss

The membrane of NorrDia H dialyzer series has a well-defined and controlled pore size distribution, ensuring effective removal of middle molecules while preserving essential proteins. Maintaining blood albumin levels is critical, as low albumin levels are linked to significantly higher mortality risks in dialysis patients.

NorrDia's state-of-the-art membrane production ensures well controlled pore size distribution with a high overall porosity for optimal dialysis performance.

BPA-Free for Enhanced Patient Safety

NorrDia H dialyzer series prioritizes patient safety with a BPA-free polypropylene housing, reducing exposure to bisphenol A (BPA)—a substance classified by the European Commission as toxic to reproduction (Category 1B) and an endocrine disruptor of very high concern (SVHC).

By eliminating BPA, NorrDia H dialyzer series minimizes potential health risks associated with endocrine disruption, leading to a safer dialysis experience for both patients and the environment.



Operational Simplicity

Optimized Flow Design to Reduce Clotting and minimize blood loss



Blood clot formation in hemodialyzers is often linked to unfavorable flow conditions, particularly in low-velocity "dead zones" in the blood flow path where clotting tends to occur.

Leveraging advanced hydrodynamic research, NorrDia H dialyzer series features an optimized blood inlet design that ensures a homogeneous blood distribution in the dialyzer header avoiding all dead zones. By eliminating dead zones, according to our own tests, NorrDia H dialyzer series significantly reduces the risk of clotting in areas with stagnant blood.

The optimized header geometry leads to better blood return at the end of treatment, minimizing blood loss and ensuring only traces of blood remaining in the product after rinse-back supporting both treatment efficiency and patient safety.

Efficient Priming for Time and Cost Savings

NorrDia H dialyzer series features an optimized dialysate flow channel design, enabling topdown priming without the need for manual intervention.

This allows staff to use automatic priming functions without having to turn the dialyzer, improving workflow efficiency and freeing up time for other critical tasks.

Efficient priming not only enhances usability but also reduces saline consumption, a key factor in overall treatment costs.

With a priming volume of 500ml, NorrDia H dialyzer series helps healthcare providers minimize fluid costs while ensuring a smooth and effective preparation process for dialysis treatment.



Economical choice

Manufactured with state-of-the-art production technology, NorrDia H dialyzer series combines high-performance dialysis with cost efficiency. A lean supply chain ensures competitive pricing while meeting the evolving demands of renal care.

Designed for sustainability, NorrDia H dialyzer series minimizes plastic use and features a PVC-free polypropylene housing. Since clinical waste containing human blood typically requires incineration, PVC-free materials offer a cost-effective disposal advantage, as disposal of PVC-free plastic is often more economical than PVC-containing alternatives.

By balancing performance, affordability, and environmental responsibility, NorrDia H dialyzer series provides a smart choice for modern dialysis care.

Comparison with Leading Brands

Our performance table demonstrates how the NorrDia H dialyzer series matches or exceeds the standards set by other top-tier brands in the market.



Data Sources:

Baxter

Revaclear Datasheet Doc. No. GBU-RC38-200001 v1.0 - December 2020

FMC

FX classix: F00006437 MT-EN (1.0 BG-pppp 08.14) FX CorDiax: F00002818 DE (V&B – Studiodruck 09.11)

Nipro

Elisio Dialyzer- brochure Doc. No. Bro-Elisio - EN - 13.Dec.18

Product specification

MATERIALS	14H	18H	20H	24H	CLEARANCES IN VITRO (mL/min)	14H	18H	20H	24H	
Membrane	Polyethersulfone (PES) hollow fiber membrane			S) ne	HEMODIALYSIS MODE (HD)					
Potting	Polyurethane				Urea (60 Da) (QB-QD, mL/min)					
Housing	Polypropylene				200/500	195	199	200	200	
Gaskets	Silicone				300/500	275	288	292	297	
Protection caps	Polyethylene				400/500	318	344	350	365	
Sterilization	Radiation sterilization			n	Creatinine (113 Da)					
Sterile barrier	PE-PA synthetic film			۱	200/500	193	196	199	200	
					300/500	258	270	274	283	
SPECIFICATIONS					400/500	290	310	320	338	
UF-Coefficient (mL/(h*mmHg))	51	65	72	87	Phosphate (142 Da)					
KoA urea*	1265	1771	2060	2778	200/500	181	191	194	196	
Blood Compartment volume (mL)	78	101	110	134	300/500	236	255	262	274	
Minimum recommended priming volume (mL)	500				400/500	268	296	310	326	
Maximum TMP (mmHg)	500				Vitamin B12 (1.4 kDa)					
Storage conditions	Relative humidity < 80%, 0-40°C (32°F-104° F)				200/500	138	159	165	175	
Units per box	24				300/500	168	195	203	223	
Unit net weight (g)	132±2	142±2	168±2	183±2	400/500	186	218	225	245	

MEMBRANE

Effective Membrane Area (m²)	1,4	1,8	2	2,4	
Fiber inner diameter (µm)	200±20				
Fiber wall thickness (µm)	40±10				

* SIEVING COEFFICIENTS

Vitamin B12 (1,4kDa)	1		
Inulin (5,2 kDa)	0.9±10%		
β2-microglobulin (11,8kDa)	≥0.7		
Myoglobin (17 kDa)	≥0.55		
Albumin (66,4 kDa)	≤0.01		

Reference Document: Version: ZOEY-TXQ-GT-PP-IFU-04_A01 2024.05.23 *According to ISO 8637-1: 2017

UF-Coefficient: measured with bovine blood, Hct 32%, Pct 60g/L, 37°C
KoA urea: calculated at QB=300 mL/min, QD=500mL/min, UF=0 mL/min
Clearances In Vitro: measured at UF=10mL/min

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