VitaPES®

serumwerk mtp

Balanced Flux Dialysator
Balanced Flux Dialyzer

VitaPES®

Balanced Flux Dialysator / Balanced Flux Dialyzer

MTP Medical Technologies GmbH
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	VitaPES® 140 BF	VitaPES® 160 BF	VitaPES® 180 BF	VitaPES® 200 BF
In vitro performance				
Ultrafiltrationskoeffizient (ml/h/mmHg) Ultrafiltration coefficient (ml/h/mmHg)	17	19	22	24
Clearance: Q_B 200 ml/min				
Harnstoff / Urea	186	190	193	194
Kreatinin / Creatinine	173	178	183	186
Phosphat / Phosphate	151	158	163	168
Vitamin B_{12} / Vitamin B_{12}	105	113	120	127
Clearance: Q_B 300 ml/min				
Harnstoff / Urea	241	248	258	261
Kreatinin / Creatinine	217	225	236	241
Phosphat / Phosphate	179	189	200	206
Vitamin B_{12} / Vitamin B_{12}	115	125	137	144
Clearance: Q_B 400 ml/min				
Harnstoff / Urea	274	285	299	306
Kreatinin / Creatinine	240	251	267	278
Phosphat / Phosphate	193	205	221	229
Vitamin B_{12} / Vitamin B_{12}	121	132	147	157
Massentransferkoeffizient / Mass transfer coefficient				
KoA (Harnstoff / Urea) *	726	800	930	977
Technische Angaben / Technical information				
Oberfläche (m^2) / Surface (m^2)	1.4	1.6	1.8	2.0
Wandstärke/ Innendurchmesser (µm) Wall thickness / Internal diameter (µm)	35/200			
Füllvolumen (ml) / Priming volume (ml)	83	91	107	116
Membran / Membrane	Polyethersulfone			
Gehäusematerial/ Vergussmaterial Housing material / Potting compound	Polycarbonate/ Polyurethane			
Sterilisation / Sterilization	Elektronenstrahl / Electron Beam			
St. pro Karton/ Palette Units per box / pallet	30/ 960	30/ 960	30/ 960	30/ 960
Art.-Nr. / Art.-No.	**70110414**	**70110416**	**70110418**	**70110420**
Best.-Nr./ Order No.	**7414**	**7416**	**7418**	**7420**

In vitro Leistungsdaten entspr. EN 1283 (UF-Koeffizient: Humanblut, T=37°C, ISO 8637, Clearance: Q_D = 500 ml/min, Q_F = 0)
In vitro performance data according to EN 1283 (UF coefficient: human blood, T=37 °C, ISO 8637, clearance: Q_D = 500 ml/min, Q_F = 0)

*KoA berechnet aus Clearance bei Q_B=300 ml/min, Q_D=500 ml/min
KoA calculated from clearance at Q_B=300 ml/min, Q_D=500 ml/min

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High Flux Dialysator
High Flux Dialyzer

VitaPES®

High Flux Dialysator / High Flux Dialyzer

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	VitaPES® 150 HF	VitaPES® 170 HF	VitaPES® 190 HF	VitaPES® 210 HF
In vitro performance				
Ultrafiltrationskoeffizient (ml/h/mmHg) Ultrafiltration coefficient (ml/h/mmHg)	60	67	73	80
Clearance: Q_B 200 ml/min				
Harnstoff / Urea	196	197	197	198
Kreatinin / Creatinine	188	191	193	195
Phosphat / Phosphate	182	184	186	189
Vitamin B_{12} / Vitamin B_{12}	147	151	154	159
Inulin / Inulin	93	103	110	113
Clearance: Q_B 300 ml/min				
Harnstoff / Urea	271	276	279	282
Kreatinin / Creatinine	246	254	261	268
Phosphat / Phosphate	232	238	242	249
Vitamin B_{12} / Vitamin B_{12}	173	185	193	198
Inulin / Inulin	105	115	121	123
Clearance: Q_B 400 ml/min				
Harnstoff / Urea	317	327	334	338
Kreatinin / Creatinine	280	293	303	313
Phosphat / Phosphate	259	272	279	281
Vitamin B_{12} / Vitamin B_{12}	188	196	204	218
Inulin / Inulin	109	121	129	131
Massentransferkoeffizient / Mass transfer coefficient				
KoA (Harnstoff / Urea) *	1167	1292	1382	1487
Siebkoeffizient / Sieving coefficient				
Inulin / Inulin	1			
ß2-microglobulin / ß2-microglobulin	0.8			
Albumin / Albumin	‹0.01			
Technische Angaben / Technical information				
Oberfläche (m^2) / Surface (m^2)	1.5	1.7	1.9	2.1
Wandstärke/ Innendurchmesser (µm) Wall thickness / Internal diameter (µm)	30 / 200			
Füllvolumen (ml) / Priming volume (ml)	89	99	112	123
Membran / Membrane	PUREMA® Polyethersulfone			
Gehäusematerial/ Vergussmaterial Housing material / Potting compound	Polycarbonate / Polyurethane			
Sterilisation / Sterilization	Elektronenstrahl / Electron Beam			
St. pro Karton/ Palette Units per box / pallet	30 / 960	30 / 960	30 / 960	30 / 960
Art.-Nr. / Art.-No.	**70104215**	**70108217**	**70105219**	**70106221**
Best.-Nr./ Order No.	**7215**	**7217**	**7219**	**7221**

In vitro Leistungsdaten entspr. EN 1283 (UF-Koeffizient: Humanblut, T=37°C, ISO 8637, Clearance: Q_D = 500 ml/min, Q_F = 0, Siebkoeffizient: Q_B = 300 ml/min, Q_F = 60 ml/min)
In vitro performance and according to EN 1283 (UF coefficient: human blood, T=37 °C, ISO 8637, clearance: Q_D = 500 ml/min, Q_F = 0, sieving coefficient: Q_B = 300 ml/min, Q_F = 60 ml/min)

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*KoA berechnet aus Clearance bei Q_B=300 ml/min, Q_D=500 ml/min
KoA calculated from clearance at Q_B=300 ml/min, Q_D=500 ml/min

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