

SelectBag Citrate

SelectBag Citrate is an acetate-free concentrate with all the beneficial properties of citrate. With the BiCart Select Citrate system it is easy to optimize the dialysis fluid composition. Sodium and bicarbonate levels are accurately controlled to your settings while the SelectBag Citrate concentrate allows you to easily vary potassium, calcium and glucose.

- Improved tolerance to treatment*^{1,2,3,4,5,6,7,8,13}
- Improved acid-base status*^{1,9,12}
- Less thrombogenic dialysis*^{1,10,11}



* Disclaimer: compared to concentrate containing acetate

BiCart Select Citrate System Specifications

SPECIFICATIONS*	SELECTBAG CITRATE CONTAINER	BICART SELECT COMBI-PAK (1 BICART CARTRIDGE + 1 GAMBRO SELECTCART CARTRIDGE)
Product description:	Electrolytes (1:200) for preparation of dialysis fluid	Sodium bicarbonate and sodium chloride cartridges for preparation of dialysis fluid
Product code:	See table below	EU 107617 / WW 109574
Units per box:	6	4
Contents:	1000 ml concentrated solution	BiCart cartridge: 720 g NaHCO ₃ SelectCart cartridge: 1200 g NaCl
pH of solution:	~ 1.5	
Dilution ratio:	1:200	
Capacity:	200L of dialysis fluid can be produced	At Na ⁺ /HCO ₃ ⁻ settings of 140/34, 190L of dialysis fluid can be produced
Duration:	6 hrs 40 min based on a Q ₀ of 500 ml/min	
Storage temperature:	+4°C to +30°C	Store below +40°C
Shelf life:	2 years from date of manufacture Refer to the expiry date stated on the product label	2 years from date of manufacture Refer to the expiry date stated on the product label
Packaging:	The box is designed with a top opening for easy access	Both cartridges are packed together in a cardboard sleeve
Cartridge material:		Polypropylene (PP)
Container material:	Low density polyethylene (LDPE)	
Box dimensions:	Approx. 320 x 258 x 182 mm	Approx. 298 x 198 x 322 mm
Box weight:	Approx. 7 kg	Approx. 9 kg
The contribution to the dialysis fluid of SelectCart and BiCart cartridges to the final formulation gives a concentration for:		Sodium: 140 mmol/l Chloride: between 108 and 111.5 mmol/l Bicarbonate: 34 mmol/l

SelectBag Citrate		Contribution from A to the dialysis fluid						SelectBag Citrate		Contribution from A to the dialysis fluid					
PRODUCT CODE	PRODUCT NAME	DILUTION RATIO	K+ mmol/l	CA ²⁺ mmol/l	MG ²⁺ mmol/l	CITRATE mmol/l	GLUCOSE g/l	PRODUCT CODE	PRODUCT NAME	DILUTION RATIO	K+ mmol/l	CA ²⁺ mmol/l	MG ²⁺ mmol/l	CITRATE mmol/l	GLUCOSE g/l
115227	CX140G	1:200	1.00	1.40	0.50	1	1	115230	CX440G	1:200	4.00	1.40	0.50	1	1
114683	CX150G	1:200	1.00	1.50	0.50	1	1	114691	CX450G	1:200	4.00	1.50	0.50	1	1
114845	CX165G	1:200	1.00	1.65	0.50	1	1	114848	CX465G	1:200	4.00	1.65	0.50	1	1
114684	CX175G	1:200	1.00	1.75	0.50	1	1	114692	CX475G	1:200	4.00	1.75	0.50	1	1
115228	CX240G	1:200	2.00	1.40	0.50	1	1	114693	CX365G	1:200	3.00	1.65	0.50	1	1
114685	CX250G	1:200	2.00	1.50	0.50	1	1	114694	CX2565G	1:200	2.50	1.65	0.50	1	1
114846	CX265G	1:200	2.00	1.65	0.50	1	1	114695	CX150	1:200	1.00	1.50	0.50	1	0
114686	CX2550G	1:200	2.50	1.50	0.50	1	1	114850	CX165	1:200	1.00	1.65	0.50	1	0
114694	CX2565G	1:200	2.50	1.65	0.50	1	1	115362	CX240	1:200	2.00	1.40	0.50	1	0
114687	CX260G	1:200	2.00	1.60	0.50	1	1	114696	CX250	1:200	2.00	1.50	0.50	1	0
114688	CX275G	1:200	2.00	1.75	0.50	1	1	114851	CX265	1:200	2.00	1.65	0.50	1	0
115229	CX340G	1:200	3.00	1.40	0.50	1	1	114697	CX275	1:200	2.00	1.75	0.50	1	0
114689	CX350G	1:200	3.00	1.50	0.50	1	1	114698	CX350	1:200	3.00	1.50	0.50	1	0
114693	CX365G	1:200	3.00	1.65	0.50	1	1	114582	CX365	1:200	3.00	1.65	0.50	1	0
114690	CX375G	1:200	3.00	1.75	0.50	1	1	114699	CX375	1:200	3.00	1.75	0.50	1	0

For safe and proper use of the device, please refer to the Instructions for Use

- Grundström G, Christensson A, Alquist M et al. *Replacement of acetate with citrate in dialysis fluid: a randomized clinical trial of short term safety and fluid biocompatibility.* BMC Nephrology 2013, 14:216.
- Bryland A, Wieslander A, Carlsson O et al. *Citrate treatment reduces endothelial death and inflammation under hyperglycaemic conditions.* Diab Vasc Dis Res 2012;9(1):42-51.
- Huang S, Sandholm K, Jonsson N et al. *Low concentrations of citrate reduce complement and granulocyte activation in vitro in human blood.* Clin Kidney J [2014] 0: 1-7.
- Guido G, Loiacono E, Serriello I et al. *Citrate-based dialysis buffers are more biocompatible in comparison to standard bicarbonate buffers and could prevent the progression of dialysis vasculopathy.* Nephrol Dial Transplant 2013;28 [suppl1]:i490.
- Sjöberg B, Qureshi AR, Anderstam B et al. *Pentraxin 3, a sensitive early marker of hemodialysis-induced inflammation.* Blood Purif 2012;34(3-4):290-7.
- Matsuyama K, Tomo T, Kadota J. *Acetate-free blood purification can impact improved nutritional status in hemodialysis patients.* J Artif Organs 2011;14(2):112-9.
- Daimon S, Dan K, Kawano M. *Comparison of acetate-free citrate hemodialysis and bicarbonate hemodialysis regarding the effect of intra-dialysis hypotension and post-dialysis malaise.* Ther Apher Dial 2011;15(5):460-5.
- Amore A, Cirina P, Bonaudo R et al. *Bicarbonate dialysis, unlike acetate-free biofiltration, triggers mediators of inflammation and apoptosis in endothelial and smooth muscle cells.* J Nephrol 2006;19(1):57-64.
- Kuragano T, Kida A, Furuta M et al. *Effects of acetate-free citrate-containing dialysate on metabolic acidosis, anemia, and malnutrition in hemodialysis patients.* Artif Organs 2012;36(3):282-90.
- Sands JJ, Kotanko P, Segal JH et al. *Effects of citrate acid concentrate on heparin N requirements and hemodialysis adequacy: a multicenter, prospective noninferiority trial.* Blood Purif 2012;33(1-3):199-204.
- Kossmann RJ, Gonzales A, Callan R, Ahmad S. *Increased efficiency of hemodialysis with citrate dialysate: a prospective controlled study.* Clin J Am Soc Nephrol 2009;4(9):1459-64.
- De Sequera Ortiz P, Albalade Ramon M et al. *Acute effect of citrate bath on postdialysis alkalaemia.* Nefrologia [English Version]. 2015;35:164-71.
- Molina Nuñez M, de Alarcón R et al. *Citrate versus Acetate-Based Dialysate in On-Line Haemodiafiltration. A Prospective Cross-Over Study.* Blood Purif 2015;39:181-187.

The BiCart Select system concentrate is compatible with Baxter dialysis machines. The products meet the applicable provisions of Annex I (Essential Requirements) and Annex II (Full quality assurance system of the Council Directive 93/42/EEC of 14 June 1993 concerning medical devices).



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