

Additives can be used with Citrasate to adjust the dialysate bath to the desired milliequivalent (mEq+) level. Edlaw's pre-measured packets can alter (spike) a stock gallon of Citrasate concentrate to the exact physiological needs of the patient.

- All packets are color-coded for safety and have directions for use
- All boxes include instruction sheets and mEq+ to gram conversion formulas
- All potassium and calcium chloride boxes include color-coded adhesive labels to indicate which concentration container has been "spiked", by whom, by how much and the date it was done.

## **How to "spike" a dialysate bath:**

1. Verify physicians order for Potassium and/or Calcium Chloride in dialysate.
2. If required, have a clinical staff member oversee use and mixing of additive.
3. Verify size of acid container your facility uses. Citrasate gallons are 3.78 liters.
4. Determine which electrolyte additive is needed (KCl, CaCl<sub>2</sub>, etc)
5. Determine the amount of milliequivalent increase required (.5 mEq/l, 1 mEq/l, etc)
6. Refer to Edlaw's Hemodialysis Additive Chart or Slide Adjustment Guide to determine the correct gram weight to use.
7. After the correct gram size has been determined: verify gram weight on additive packet, tear or cut open the packet, dispense all contents into dialysate container and mix / shake until completely dissolved.
8. Complete Edlaw Potassium and/or Calcium Chloride concentrate adjustment label and affix to each concentrate container.
9. If validation is necessary, lab test the dialysate. This procedure is performed by obtaining a sample of the final dialysate fluid from the dialysis machine after conductivity has been reached and sodium modeling is turned off. Send sample to a lab for validation.

To order Edlaw additives for any of your dialysis needs, fax your order to 610-827-0987.

# Citrasate® Additive Chart





## Formulations

Citrasate® is packaged - 4 each 3.78 Liter (1 Gallon) containers per case (42 lbs.)

Formula	Dilution	Na	Ca	K	Mg	Chloride	Dex	Acetate	Citrate
CS-1003-01	<b>36.83X</b>	80.3	2.5	2.0	1.0	85.5	<b>200</b>	0.3	<b>2.4</b>
CS-2001-01	<b>45X</b>	100.3	2.5	0.0	1.0	103.5	<b>200</b>	0.3	<b>2.4</b>
CS-2003-01	<b>45X</b>	100.3	2.5	2.0	1.0	105.5	<b>200</b>	0.3	<b>2.4</b>
CS-2006-01	<b>45X</b>	100.3	3.0	2.0	1.0	106.0	<b>200</b>	0.3	<b>2.4</b>
CS-2033-01	<b>45X</b>	100.3	3.0	3.0	1.0	107.0	<b>200</b>	0.3	<b>2.4</b>
<b>100 Dextrose</b>									
CS-2502-01	<b>45X</b>	100.3	2.5	2.0	1.0	105.5	<b>100</b>	0.3	<b>2.4</b>
CS-2133-01	<b>45X</b>	100.3	3.0	3.0	1.0	107.0	<b>100</b>	0.3	<b>2.4</b>

## Additive Chart

 <b>36.83X</b> Additive	<b>CITRASATE 1000 series With a Proportioning Ratio of (1:1.83:34)-(1:35.83)-(36.83x)</b>					
	To Raise The Bath	When Dialysate Volume Is:	Add Packet Weight	Price Per Packet	Packets Per Box	Price Per Box
Potassium Chloride	.5 mEq/liter	3.78 liters (1 gal)	5.2 grams	.43	150	\$64.50
Potassium Chloride	1 mEq/liter	3.78 liters (1 gal)	10.4 grams	.47	125	\$58.75
Potassium Chloride	2 mEq/liter	3.78 liters (1 gal)	20.8 grams	.54	90	\$48.60
Calcium Chloride	.5 mEq/liter	3.78 liters (1 gal)	5.1 grams	.44	200	\$88.00
Calcium Chloride	1 mEq/liter	3.78 liters (1 gal)	10.2 grams	.54	125	\$67.50
Calcium Chloride	2 mEq/liter	3.78 liters (1 gal)	20.5 grams	.73	75	\$54.75

 <b>45X</b> Additive	<b>CITRASATE 2000 series With a Proportioning Ratio of (1:1.72:42.28)-(1:44)-(45x)</b>					
	To Raise The Bath	When Dialysate Volume Is:	Add Packet Weight	Price Per Packet	Packets Per Box	Price Per Box
Potassium Chloride	.5 mEq/liter	3.78 liters (1 gal)	6.3 grams	.45	150	\$67.50
Potassium Chloride	1 mEq/liter	3.78 liters (1 gal)	12.7 grams	.50	100	\$50.00
Potassium Chloride	2 mEq/liter	3.78 liters (1 gal)	25.4 grams	.59	90	\$53.10
Calcium Chloride	.5 mEq/liter	3.78 liters (1 gal)	6.3 grams	.50	150	\$75.00
Calcium Chloride	1 mEq/liter	3.78 liters (1 gal)	12.5 grams	.61	100	\$61.00
Calcium Chloride	2 mEq/liter	3.78 liters (1 gal)	25.0 grams	.79	50	\$39.50