

AC-A (113 mmol/L 2:1) Citrate Anticoagulant Solution

Alternative anticoagulation

AC-A is a unique citrate-based anticoagulation solution indicated for use during CRRT. In conjunction with **Accusol**, AC-A enables effective Regional Citrate Anticoagulation (RCA).

AC-A solution provides healthcare professionals a **dextrose-free** alternative to ACD-A.

AC-A contains Trisodium citrate (74.8 mmol/L) and Citric Acid (38.1 mmol/L), providing identical anti-coagulant properties to ACD-A formulations **without the additional calorific load** from dextrose.



- AC-A is indicated for use in CRRT
- 2 litre PVC free bag, enabling less bag changes and fewer treatment interruptions
- AC-A can be used as a citrate lock solution for vascular access catheters
- 2 year shelf-life
- Class IIb medical device

Precautions for use:

- A separate calcium infusion may be required.
- NOT for direct intravenous infusion
- Protect from light and store between 5-25°C. Do not freeze.

Predicted calorific load (35 mL/kg/h CVVH, FR 20%)

Ideal BW (kg)	ACD-A		AC-A	
	Infusion rate	Total KJ per 24h on therapy*	Infusion rate	KJ from dextrose per 24h on therapy
<50	180 mL/h	2400	180 mL/h	0
50–59	230 mL/h	3100	230 mL/h	0
60–69	270 mL/h	3650	270 mL/h	0
70–79	300 mL/h	4050	300 mL/h	0
80–89	350 mL/h	4750	350 mL/h	0

* This table is adapted from the following document:
https://www.researchgate.net/publication/281905870_Royal_London_Hospital_Pilot_Regional_Citrate_Anticoagulation_Protocol_for_Aquarius_CRRT_Platform

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Step by Step

1 Hang



Hang AC-A
on **Aquarius⁺**
black hook

2 Connect



Connect AC-A to
Aqualine via luer-lock

3 Activate



Break the frangible pin.
Activate the fluid flow.

Composition

Each 1000 mL contains:

- Natrii Citras Dihydricum Ph Eur – 22.0 g
- Acidum Citricum Monohydricum Ph Eur – 8.0 g
- Aqua ad Iniectabilia Ph Eur
- pH 4.5 – 6.5

	Citrate Anticoagulation solution 113 mmol / L (AC-A 113 mmol / L 2:1)
Nikkiso Product Code	RCSB7520GLO
Pack Factor	5 x 2.000mL PVC free bags
Composition in mmol / L units	
Natrii Citras	74.8 mmol / L
Acidum Citricum	38.1 mmol / L

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