

What is Sodium Citrate mixture?

It is an aqueous based mixture of 8.8% Sodium Citrate. It is presented in a 30mL single dose bottle for administration by mouth.

What is it used for?

In operations where general anaesthesia is required some patients are at risk of acidic stomach contents entering the lungs. This is called Acid Aspiration Syndrome. This acid can cause serious damage to the lungs and their normal functioning. Sodium Citrate Mixture 8.8% is given as a single dose before general anaesthesia to decrease the acidity of the stomach or neutralize stomach contents. This then decreases the possible serious damage that stomach contents entering the lungs (Acid Aspiration Syndrome) can cause to the lungs and their function ^(1,3,4,5).

What is the recommended dosage?

Adult Dosage:

- One off dose: 30mL of Sodium Citrate Mixture 8.8% (contents of entire bottle) ^(1,2,3,4,5).

Children from 2 years of age:

- One off dose: 15mL of Sodium Citrate Mixture 8.8% (half the contents of bottle) ⁽²⁾.

Not recommended for Children under 2 years.

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References:

1. Martindale, The Extra Pharmacopoeia, 28th edition. Edited by J. E. F. Reynolds. Pharmaceutical Press, London, 1982, p640.
2. Australian Pharmaceutical Formulary and Handbook, 18th edition. Pharmaceutical Society of Australia. 2002, p91.
3. Stuart JC, Kan AF, Rowbottom SJ, Yau G, and Gin T. Acid aspiration prophylaxis for emergency Caesarean section. Anaesthesia, (England), May 1996, 51(5) p415-21.
4. Obstetric Anesthesia, Second Edition. Ed. Norris MC., Lippincott, Williams and Wilkins. 1999. p180.
5. Burgess RW, Crowhurst JA. Acid Aspiration Prophylaxis in Australian Obstetric Hospitals – A Survey. Anaesthesia and Intensive Care (Australia), Nov 1989, 17.(4) p 492-95.