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Acid-Base, Fluids, Lytes Pocketcare Set

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Normal Range	Arterial		Venous		Met Acid		Resp Acid		Met Alk		Resp Alk	
	pH	pCO ₂	pH	pCO ₂	pH	pCO ₂	pH	pCO ₂	pH	pCO ₂	pH	pCO ₂
	7.35-7.44	35-45 mm Hg	7.35-7.42	35-45 mm Hg	7.35-7.42	35-45 mm Hg	7.35-7.42	35-45 mm Hg	7.35-7.42	35-45 mm Hg	7.35-7.42	35-45 mm Hg

Acid-Base Abnormalities Chart

Algorithm for Determining Acid-Base Status

- Check pH (ABO) and metabolic panel, serum lactate. Arterial pH < 7.35, Metabolic pH < 7.35
- Determine the primary disorder (see table above). Determine the likely acute compensation.
- Check compensation.

Disorder	Primary disturbance	Compensation	Predicted Compensation
Metabolic acidosis	pH↓, T	pCO ₂ ↓	1 mEq/L = 1.2 mm Hg ↓ pCO ₂ or 1.5 mm Hg ↓ pCO ₂
Metabolic alkalosis	pH↑, T	pCO ₂ ↑	1 mEq/L = 0.7 mm Hg ↑ pCO ₂ or 0.7 mm Hg ↑ pCO ₂
Acute respiratory acidosis	pH↓, T	pCO ₂ ↑	1 mm Hg = 0.1 mEq/L ↓ pH
Chronic respiratory acidosis	pH↓, T	pCO ₂ ↑	1 mm Hg = 0.2 mEq/L ↓ pH
Acute respiratory alkalosis	pH↑, T	pCO ₂ ↓	1 mm Hg = 0.2 mEq/L ↑ pH
Chronic respiratory alkalosis	pH↑, T	pCO ₂ ↓	1 mm Hg = 0.3 mEq/L ↑ pH
- Check anion gap (AG)
- Check delta ratio

AG	Delta Ratio
1-12	1-2
13-20	2-3
> 20	> 3
- Check lactate > 4.0 (normal < 2.0)
- Check urea nitrogen > 27 (normal < 27)
- Check creatinine > 1.5 (normal < 1.3)
- Check bicarbonate < 18 (normal > 22)
- Check chloride > 110 (normal < 108)
- Check albumin < 3.5 (normal > 3.5)
- Check lactate > 4.0 (normal < 2.0)
- Check urea nitrogen > 27 (normal < 27)
- Check creatinine > 1.5 (normal < 1.3)
- Check bicarbonate < 18 (normal > 22)
- Check chloride > 110 (normal < 108)
- Check albumin < 3.5 (normal > 3.5)

6. Clinical correlation: Correlate findings with history and physical examination.

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Customer Reviews

This is a great refrence for anyone who wants to make sure they get it right at a patients beside. I am a seasoned medical professional and it great to have this added assurance at such a quick glance in my pocket too.

Great for med students, nurses, and residents! Quite a handy resource for the hospital. The only downside is that they are very packed with info, so it may take a minute to find what you're looking for.

This has so much information on it! I was glad to have it as reference over the summer as I was reviewing fluids and electrolyte values. It really did hel[p me and I keep it as a book mark for a refresher!

I purchased these for a handy reference, to keep on me while working with critical patients. It's been very helpful! I highly recommend these to all!

ALL OF THE BOOKS AND CHARTS ARE VERY INFORMATIVE AND HELPFUL TO THOSE OF

US IN THE FIELD OF NURSING AND MEDICINE. THEY PROVIDE QUICK AND THOROUGH INFORMATION NEEDED BY ALL OF US WORKING IN CRITICAL HEALTH SITUATIONS AND MAKE IT EASY TO LEARN AND UNDERSTAND THE SUBJECTS SO THAT WE CAN ACT TO SAVE LIVES AS NEEDED!

I love things that make my job easier when I am unable to search a computer or phone for the needed backup information. This card pack can only help make you better at your job.

great product easy to read and everything at your fingertips would highly recommend it to any nursing professional as a quick reference

How can this be priced \$193-\$999! I want this but that's not worth it.

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