

## Blog Post:

# MD Perspective: Why Would Doctors Recommend an Electrolyte Powder Like Instant Hydration?



**I**magine you're on a long hike, sweat pouring down your face as the sun beats down. You reach for your water bottle, but you know that hydration is about more than just water—your body needs electrolytes to function optimally.

This is where a product like [Instant Hydration](#) comes into play, offering a blend of essential electrolytes that support your body's needs. But why would doctors specifically recommend an electrolyte powder like Instant Hydration? Let's explore the medical reasoning behind this recommendation.

## *The Importance of Electrolytes in Maintaining Health*

Electrolytes are minerals that carry an electric charge and are crucial for many bodily functions. They help regulate:

- Nerve and muscle function
- Hydrate the body
- Balance blood acidity and pressure
- Rebuild damaged tissue

The main electrolytes include sodium, potassium, calcium, and magnesium—each playing a unique role in maintaining health.<sup>1</sup>

When you sweat, whether from exercise, heat, or illness, you lose electrolytes. This loss can lead to dehydration, muscle cramps, fatigue, and even more serious conditions like hyponatremia, where the body's sodium levels become dangerously low.<sup>2</sup>

While water rehydrates, it doesn't replace these vital minerals that are used for so many essential functions in the body.<sup>3</sup> This is where an electrolyte powder like Instant Hydration comes in, replenishing these crucial nutrients and helping you stay balanced and healthy.

## *What Makes Instant Hydration Stand Out?*

Not all electrolyte supplements are created equal, and Instant Hydration sets itself apart in several key ways:

### **Sel gris (Celtic Salt) as a Superior Source of Sodium:**

Instant Hydration uses sel gris (literally, "gray salt"), a natural, unrefined sea salt known for its rich mineral content. Unlike processed table salt, sel gris retains trace minerals that support overall health, including magnesium, potassium, and calcium.<sup>4</sup> This natural blend of minerals works synergistically to improve hydration and support muscle function, making it a superior sodium source in electrolyte powders.



**No Added Sugars or Artificial Ingredients:** Many electrolyte drinks on the market are loaded with sugars and artificial additives, which can lead to muscle cramping and bloating in the short-term, and spikes in blood sugar and are not ideal for long-term health.<sup>5</sup> Instant Hydration uses only organic, natural flavors and sweeteners, ensuring that you're not just replenishing electrolytes but doing so in a way that supports overall health. This makes it particularly beneficial for individuals who are health-conscious or managing conditions like diabetes.<sup>6</sup>

**Balanced Electrolyte Profile:** The blend of calcium, magnesium, sodium, and potassium in Instant Hydration is carefully balanced to meet the body's needs during exercise, heat exposure, or illness. This balance helps to prevent the common issues associated with electrolyte imbalance, such as muscle cramps, fatigue, and dehydration.<sup>7</sup>

Doctors often recommend electrolyte supplements with a balanced profile to ensure that all essential minerals are replenished, not just sodium or potassium. This is particularly beneficial for individuals with a high-caffeine diet, as an electrolyte mix supplemented with calcium and magnesium helps offset the excess loss of these ions through the urine.<sup>7</sup>

In future articles, we'll explore each ingredient in Instant Hydration, highlighting why they make this product a superior choice compared to similar options on the market.



# Why Recommend Electrolyte Supplements

Clinicians recommend electrolyte supplements like Instant Hydration for several reasons.

**1 Prevention of Dehydration:** Whether you're an athlete, work in a hot environment, or are recovering from an illness, maintaining hydration is crucial. Dehydration can lead to a range of health issues, from mild fatigue to severe complications like heatstroke.<sup>2</sup> An electrolyte powder helps to maintain the balance of fluids and electrolytes in the body, reducing the risk of dehydration.

**2 Support for Physical Performance and Recovery:** For athletes and active individuals, electrolytes are essential for maintaining peak performance. Sodium, potassium, and calcium are critical for muscle contraction and nerve function, while magnesium plays a role in muscle recovery and relaxation. Using a product like Instant Hydration can help prevent cramps, fatigue, and other performance issues, allowing for better endurance and quicker recovery times.<sup>8</sup>

**3 Management of Medical Conditions:** Certain medical conditions, such as Addison's disease, cystic fibrosis, and some forms of kidney disease, require careful management of electrolyte levels.<sup>9-11</sup> Doctors may recommend an electrolyte powder to help manage these conditions, ensuring that patients maintain proper electrolyte balance. Instant Hydration's natural, balanced formula makes it a suitable option for managing these and other conditions where electrolyte balance is critical.

**4 Enhancing Overall Wellbeing:** Beyond physical performance, electrolytes are vital for overall health. They regulate blood pressure, support heart function, and are involved in the body's energy production. By ensuring adequate intake of electrolytes through a product like Instant Hydration, individuals can support their overall health and wellbeing, reducing the risk of chronic conditions and improving quality of life.



# The Science Behind Hydration

Hydration is not just about drinking enough water—it's about maintaining the right balance of fluids and electrolytes in the body. When you drink water alone, especially in large quantities without replenishing electrolytes, you can dilute the sodium in your blood, leading to a condition called hyponatremia.<sup>2</sup> This condition can cause symptoms ranging from headache and nausea to seizures and even coma in severe cases.

An electrolyte powder like Instant Hydration ensures that as you rehydrate, you're also replenishing the electrolytes your body needs to function properly. The inclusion of key minerals like calcium and magnesium not only supports hydration but also plays a role in critical processes such as bone health, muscle function, and nerve signaling.<sup>3</sup>



## Final Thoughts: Why Choose Instant Hydration?

In a market crowded with electrolyte supplements, Instant Hydration offers a unique blend of natural ingredients, balanced electrolytes, and a commitment to health and wellbeing. Its use of sel gris, organic flavors, and the exclusion of added sugars make it a standout choice for anyone looking to maintain optimal hydration—whether they are athletes, patients managing chronic conditions, or individuals focused on their overall health.

Doctors recommend products like Instant Hydration not just for their ability to prevent dehydration, but for their comprehensive approach to supporting the body's electrolyte needs. By choosing a product that is as focused on health as it is on hydration, you can ensure you're giving your body the best possible support, whatever your lifestyle or health goals may be.



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## References

1. Health NRC (US) C on D and. Electrolytes. In: Diet and Health: Implications for Reducing Chronic Disease Risk. National Academies Press (US); 1989. Accessed August 15, 2024. <https://www.ncbi.nlm.nih.gov/books/NBK218740/>
2. Taylor K, Jones EB. Adult Dehydration. In: StatPearls. StatPearls Publishing; 2024. Accessed August 15, 2024. <http://www.ncbi.nlm.nih.gov/books/NBK555956/>
3. Liska D, Mah E, Brisbois T, Barrios PL, Baker LB, Spriet LL. Narrative Review of Hydration and Selected Health Outcomes in the General Population. *Nutrients*. 2019;11(1):70. doi:10.3390/nu11010070
4. Schmidt, T. Does Celtic Sea salt have health benefits? Mayo Clinic Press. October 5, 2023. Accessed August 15, 2024. <https://mcpres.mayoclinic.org/nutrition-fitness/the-health-benefits-of-celtic-sea-salt/>
5. McIntosh MC, Ruple BA, Kontos NJ, Mattingly ML, Lockwood CM, Roberts MD. The effects of a sugar-free amino acid-containing electrolyte beverage on 5-kilometer performance, blood electrolytes, and post-exercise cramping versus a conventional carbohydrate-electrolyte sports beverage and water. *J Int Soc Sports Nutr*. 2024;21(1):2296888. doi:10.1080/15502783.2023.2296888
6. Kim E. Effects of Natural Alternative Sweeteners on Metabolic Diseases. *Clin Nutr Res*. 2023;12(3):229-243. doi:10.7762/cnr.2023.12.3.229
7. Pérez-Castillo ÍM, Williams JA, López-Chicharro J, et al. Compositional Aspects of Beverages Designed to Promote Hydration Before, During, and After Exercise: Concepts Revisited. *Nutrients*. 2023;16(1):17. doi:10.3390/nu16010017
8. Brouns F, Kovacs EM, Senden JM. The effect of different rehydration drinks on post-exercise electrolyte excretion in trained athletes. *Int J Sports Med*. 1998;19(1):56-60. doi:10.1055/s-2007-971881
9. Dhondup T, Qian Q. Acid-Base and Electrolyte Disorders in Patients with and without Chronic Kidney Disease: An Update. *Kidney Dis*. 2017;3(4):136-148. doi:10.1159/000479968
10. Scurati-Manzoni E, Fossali EF, Agostoni C, et al. Electrolyte abnormalities in cystic fibrosis: systematic review of the literature. *Pediatr Nephrol Berl Ger*. 2014;29(6):1015-1023. doi:10.1007/s00467-013-2712-4
11. Hyponatremia and hyperkalemia in adrenal insufficiency - UpToDate. Accessed August 15, 2024. <https://www.uptodate.com/contents/hyponatremia-and-hyperkalemia-in-adrenal-insufficiency>