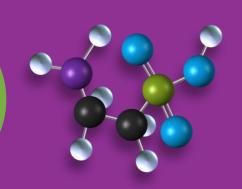
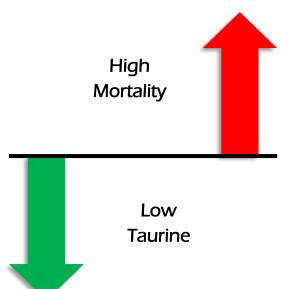
## Introducing

## Taurine



Did you know that your patient's risk of dying from cardiovascular disease is higher if they have low 24-hour urine taurine?



In studies of thousands of men and women in 22 countries, researchers found the highest mortality from heart disease in populations with the lowest 24-hour urine taurine levels.

24-hour Urine Taurine is a reliable biomarker for cardiovascular disease mortality risk.

For a limited time, 24-hour Urine Taurine is available as a FREE add-on to all 24-hour urine profiles.

To get this Free test for your patient, select

Test Code 4425

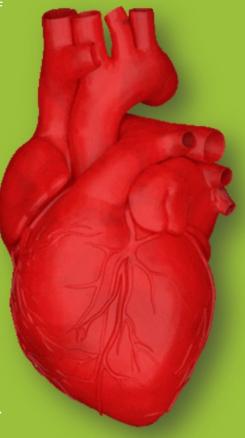
on the requisition form.

For more information call 1-855-405-8378.

## Taurine Facts

Taurine is chemically, a very simple compound, but its affects on cells is both wide-ranging and profound. It is found in high concentration in most human tissues, and is particularly high in cardiac and skeletal tissue.

- Physiological functions of taurine include maintenance of contractile function, osmoregulation, conjugation, antioxidant activity, membrane stabilization, and protein phosphorylation.
- Although most dilated cardiomyopathies are irreversible, taurine-deficient cardiomyopathy can be reversed with taurine supplementation.
- Taurine has been approved for the treatment of congestive heart failure in Japan, and shows promise for the treatment of several other diseases.
- Osmoregulation by taurine is an important factor of cell survival of all types.
- Taurine supplementation has been linked to decreased
   BMI and reduced inflammatory markers in obese women.



Schaffer, S.W., Ju Jong, C., KC, R. *et al.* Physiological roles of taurine in heart and muscle. *J Biomed Sci* **17,** S2 (2010). <a href="https://doi.org/10.1186/1423-0127-17-S1-S2">https://doi.org/10.1186/1423-0127-17-S1-S2</a>

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Yamori Y, Taguchi T, Mori H, Mori M. Low cardiovascular risks in the middle aged males and females excreting greater 24-hour urinary taurine and magnesium in 41 WHO-CARDIAC study populations in the world. In: *Journal of Biomedical Science*. Vol 17.; 2010. doi:10.1186/1423-0127-17-S1-S21

