

NEWSLETTER

FEBRUARY 2024

T50 Calcification Propensity test is renamed the **T50 Calciprotein Crystallization test (T50[®] test)**

Calciprotein Particles (CPP) are a recently-discovered class of naturally occurring nanoparticles that circulate in blood.

The T50 test measures in vitro the transformation of amorphous CPP into crystalline CPP. T50 was initially coined as T50 Calcification Propensity test and mainly investigated in the context of calcification and the morbidity and mortality of chronic kidney disease patients.

However, a decade of intensive research (Figure 1) provided evidence, that **T50 and CPP** are not only linked to calcification in chronic kidney disease, but rather to inflammation, oxidative stress and calcification across multiple diseases (Figure 2).

As the characterization of T50 and CPP as biomarkers for calcification has erroneously narrowed the perception of what CPP actually do in the body, we have now chosen to change the names of our products to be more accurate and descriptive.

We think that referring to T50 as a measurement for Calciprotein Crystallization time supports a more open view on the role of these circulating species, which are of utmost importance for transportation and disposal of mineral debris and have important evolving functions in physiology and pathophysiology alike.

Thus, we have renamed the T50 Calcification Propensity test, which is now offered as **T50 Calciprotein Crystallization test** (in short: the **T50 test**).

If you have questions or consider sending research samples, please refer to our [website](#) and contact us!

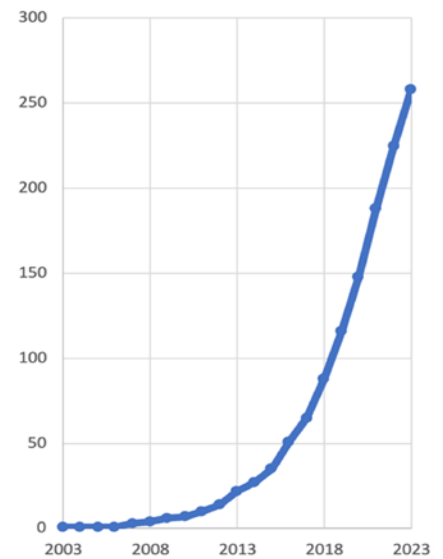


Figure 1: Cumulative number of publications on T50 and CPP (source: PubMed).

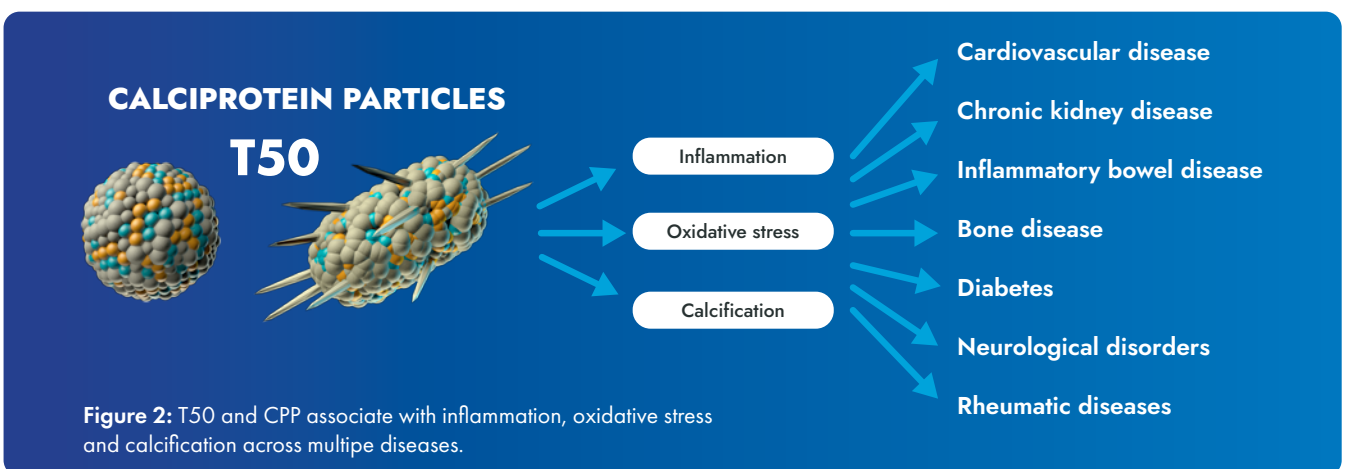


Figure 2: T50 and CPP associate with inflammation, oxidative stress and calcification across multiple diseases.

CALCISCON is a world leader in calciprotein diagnostics and a pioneer in the application of calciprotein measurements in research and clinical use.

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