This assay allows measuring in serum, plasma or synovial fluid a degradation fragment containing 9 amino acid sequence (HRGYPGLDG). This degradation fragment, named Coll2-1, is derived from type II collagen and is released into the synovial fluid following the action of collagenases and gelatinase B.

This assay is considered as a gold biomarker to assess degradation of cartilage affected by orthopedic diseases like osteochondrosis in the sport horses (1-3) and degenerative juvenile arthropathy in draft horses (4). This biomarker associated to others could be also used, as in human medicine, to monitor the evolution of degenerative joint disease and treatment efficacy (5).


