

Top Anticoagulants, Mechanisms & Usage Recommendations

Choosing the right blood anticoagulant is a critical factor in the success of downstream applications with plasma, platelets, or cells. Certain anticoagulants can have deleterious effects on molecular assays, inhibit specific enzymes, alter cellular morphology, or interfere with coagulation. The anticoagulant mechanism of action directly determines the suitable recommended applications. Utilizing the appropriate anticoagulant will contribute to a more accurate measurement or successful cellular assay.



- Precipitates Ca++ by forming calcium oxalate crystals
- Used with sodium fluoride as glycolytic inhibitor

RECOMMENDED FOR glucose, lactate, pyruvate, and ethanol testing

NOT RECOMMENDED FOR RBC morphology or coagulation



ACD

RECOMMENDED FOR HLA typing and blood

NOT RECOMMENDED FOR blood count and



CITRATE

(Tri-sodium)

• Reversibly binds Ca++ by forming calcium citrate complex

RECOMMENDED FOR erythrocyte sedimentation rate, prothrombin, d-dimer, and fibrinogen assay

NOT RECOMMENDED FOR blood count and platelet count



BioIVT, formerly BioreclamationIVT, is a leading provider of control and disease state samples (human/animal tissues, cells, blood, other biofluids). Our PHASEZERO® team provides value-added services that evaluate the efficacy and safety of therapeutics. Combining technical expertise, exceptional customer service, and unparalleled access to biospecimens, BioIVT partners with scientists in ELEVATING SCIENCE®.

Click below and learn more about our blood products.

Learn More

