

# Product Information

## VACUETTE® ACD/CPDA

### ACD

The **VACUETTE**® blood grouping or cell preservation tube is available with the additives ACD - A and ACD - B

ACD: Citric Acid; Trisodium Citrate; Dextrose  
Anticoagulant - additive mixtures such as ACD (acid-citrate-dextrose) are used to preserve red blood cells.

ACD is available in 2 formulations, A and B.

The difference between the 2 formulations is the concentration of the additive in the blood sample.

In the ACD - A formulation there is less dilution, thus making relatively greater amounts of dextrose available for the metabolising red blood cells and thus preserving them better. ACD preserves red blood cells for approx. 21 days when blood is stored between 1 and 6°C.

#### ACD-A:

Citric Acid: 1.5 mg/ml  
Trisodium citrate: 4.2 mg/ml  
Glucose (Dextrose): 4.0 mg/ml

#### ACD-B:

Citric acid: 0,88 mg/ml  
Trisodium citrate: 2,20 mg/ml  
Glucose (Dextrose): 2,45 mg/ml

The permitted tolerance on the volume of additive is always +/-10%

### CPDA

CPDA: Citric Acid; Monobasic Sodium Phosphate; Dextrose; Adenine

The CPDA contain citrate to prevent clotting, phosphate buffer to control pH, and dextrose to maintain cell metabolism.

CPDA also contains adenine which helps replenish ATP.

Blood collected in CPDA may be stored for up to approx. 35 days at 1-6°C.

