

### ACD Solution A

Product Name  
ACD Solution A

Product Code  
ML099-25ML

Kit Packing  
25 ml

#### Intended Use

Recommended to be used as an anticoagulant solution during blood collection.

#### Introduction:

ACD (Acid Citrate Dextrose) Solution A is an anticoagulant solution used for the collection of blood for purposes of storage and transfusion. This solution contains citric acid, sodium citrate and dextrose. Citrate ions chelate ionized calcium present in the blood and form a non-ionized calcium-citrate complex. When the total dose of citrate ions is greater than the total amount of ionized calcium, blood clotting is prevented. ACD Solution A is supplied as a sterile and ready to use form.

#### Description:

ACD (Acid Citrate Dextrose) Solution A, USP (2.13% free citrate ion), is a sterile, non-pyrogenic solution. It is used as an anticoagulant for whole blood.

#### Application:

ACD Solution A is mainly used as an anticoagulant for the collection of blood for storage and transfusion purpose.

#### Composition:

ACD Solution A contains 38mM citric acid, 107mM sodium citrate and 136mM dextrose.

#### Properties:

Appearance/ Color/ Clarity	:	Colorless clear solution and free of particles
pH	:	4.5 – 5.5
Coagulation	:	Not observed
Sterility	:	No Bacterial or Fungal growth observed after 14 days of incubation as per USP Specifications

**Storage:**

ACD Solution A has to be stored at room temperature (15 - 25 °C). Under recommended condition, the reagent is stable for 12 months.

**Specimen Handling and Collection**

Collect whole blood in an anticoagulant tube under sterile conditions (if to be used for future) and store the samples at 2-8°C for short term storage or -20°C for long term storage. Ensure that the blood sample is at room temperature (15-25°C) before beginning the protocol. After use, contaminated material must be sterilized by autoclaving before discarding.

**Types of Specimen**

Clinical samples: Whole blood

**Procedure for blood collection:**

1. Add approximately 20ml of fresh blood in tube containing 3.5ml of ACD Solution A.
2. Invert gently to ensure proper mixing of anticoagulant with the blood.
3. Keep the tube in a laboratory table and observe for clotting.

**Warning and Precautions**

Not for Medicinal Use. Read the procedure carefully before beginning the protocol. Wear protective gloves/protective clothing/eye protection/face protection. Follow good clinical laboratory practices while handling clinical samples. Standard precautions should be followed as per established guidelines. Safety guidelines may be referred in safety data sheets of the product.

**Performance and Evaluation**

Performance of the solution is expected when the solution is used as per the protocol mentioned in the product insert within the expiry period when stored at recommended temperature.

**Safety Information**

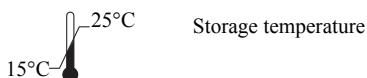
The ACD Solution A is for laboratory use only, not for drug, household or other uses. Take appropriate laboratory safety measures and wear gloves and safety goggles when handling. Not compatible with disinfecting agents containing bleach. Please refer the Safety Data Sheet (SDS) for information regarding hazards and safe handling practices.

## Disposal

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with clinical sample must be decontaminated and disposed off in accordance with current laboratory techniques.

## Technical Assistance

At HiMedia we pride ourselves on the quality and availability of our technical support. For any kind of technical assistance, mail at [mb@himedialabs.com](mailto:mb@himedialabs.com).



Do not use if package is  
damaged



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