

## 20% SDS

<u>Product Name</u>	<u>Product Code</u>	<u>Kit Packing</u>
20% SDS	ML007-100ML	100 ml
	ML007-500 ML	500 ml

**Introduction:** Sodium dodecyl sulfate is an anionic surfactant that is extensively used in biochemistry and molecular biology. Each SDS molecule has a tail of 12 carbon atoms which are attached to a sulfate group. This provides SDS an amphiphilic property which is required for a detergent. This multipurpose, anionic detergent can be used for protein solubilization, plasmid extraction from bacteria, and to reduce non-specific binding during nucleic acid hybridization on membranes.

**Description:** 20% SDS solution is a standard reagent extensively used in molecular biology. This solution is provided in a convenient ready to use format that overcomes the requirement of handling SDS powder which is an irritant. This solution can be used for preparing buffers which has several applications including SDS-PAGE, blot hybridization, various washing protocols etc.

**Application:** SDS is the most commonly used detergent in protein purification and electrophoresis. It is used as a protein denaturing agent during both extraction procedures and SDS polyacrylamide gel electrophoresis. Negatively charged anionic detergents are strong detergents utilized in lysis buffers for the complete disruption of membranes and denaturation of proteins. SDS disrupts the non-covalent bonds of the proteins and denatures them.

**Composition:** 20% SDS is made from highly pure molecular biology grade SDS and conveniently premixed to save time.

### Properties:

Appearance	: Colorless solution
Clarity	: Clear and free of particles
DNase & RNase	: None detected
Bioburden	: None detected
Suitability test	: This solution has been tested and is suitable for use in various Molecular Biology applications.

**Storage conditions:** 20% SDS solution has to be stored at room temperature (15 - 25 °C).

### 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).

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