



Manufactured By: Medicago AB

Sodium Dodecyl Sulphate Reagent (SDS)



Features

- Prepared from analytical grade reagent
- Anionic detergent
- Denaturing agent used in SDS-PAGE
- Choice of tablets and powder in pouches
- Dissolve and use in minutes

Product description

The SDS reagent is an anionic detergent that denatures secondary and non-disulfide-linked tertiary protein structures. It applies a negative charge to each protein in proportion to its mass. SDS binds in a ratio of approximately 1.4 g SDS per 1.0 g protein, unfolding it to give a near-uniform negative charge along the length of the polypeptide chain. As a result, the distance of migration through the gel in SDS-PAGE electrophoresis can be assumed to be directly related only to the size of the protein.

Medicago's SDS reagent is supplied in pre-weighed tablets. One tablet weighs 0.5 g and can be dissolved in deionized water to the desired volume and concentration. SDS reagent powder mix in pouches give 1000 ml of 10% or 20% sodium dodecyl sulphate solution.

Applications

- Solubilizes and denatures proteins
- SDS-PAGE electrophoresis
- Western blots

Directions for use

Empty one pouch or deposit one tablet of the SDS reagent in a laboratory flask or beaker placed on a magnetic stirrer. Add 300 ml of deionized water and stir the solution for a few minutes. Adjust the volume up to 1000 ml, stir until full dissolution and the solution is ready to use.

Specifications

Chemicals	Analytical grade
Format	Exactly pre-weighed tablets or powder
Concentration	10% or 20% solution
Weight	0.5 g/tablet
Volume	pouch: 1000 ml, tablet: as required
pH	3.0 ± 0.05 at 25°C
Shelf life	Three years after production date

Deposit one tablet of the SDS reagent in a laboratory flask or beaker placed on a magnetic stirrer. Add deionized water and stir the solution for a few minutes until full dissolution. Adjust the volume up to required concentration and the solution is ready to use.

Shipping and storage

The SDS reagent is shipped at room temperature. Store the tablets and pouches in a dry place at room temperature. Shelf life is three years.

Tips and hints

If the tablet or the contents of the pouch is not properly dissolved, make sure:

- the water temperature is 25°C (do not exceed this temperature)
- the solution is properly stirred.



Ordering information

Article no.	Product name	Pack size	Solution vol.
A09-2026-1000	SDS	1000 tablets	0.5g/tablet
A09-2026-50	SDS	50 tablets	0.5g/tablet
A12-9193-5	SDS 10 %	5 pouches	1000 ml/pouch
A12-9194-5	SDS 20 %	5 pouches	1000 ml/pouch

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