

20X MES-SDS Running Buffer

| <u>Product Name</u> | <u>Product Code</u> | <u>Kit Packing</u> |
|---------------------|---------------------|--------------------|
| 20X MES-SDS | ML120-2X500ML | 2X500ml |
| Running Buffer | ML120-10X500ML | 10X500ml |
| | ML120-500ML | 500ml |

Introduction:

20X MES-SDS Running Buffer is used for electrophoresis of proteins on Bis-Tris gels only. This buffer is used for resolving protein samples of very small to medium sized proteins. This pre-mixed buffer is supplied as a 20X concentrated solution.

Description:

Bis-Tris gels are polyacrylamide gels designed to give optimal separation of small to medium sized proteins under denaturing conditions. In contrast to the alkaline conditions of SDS-PAGE gels, Bis-Tris gels are acidic. A reducing agent, Sodium bisulphite, has to be added in this buffer before electrophoresis. This reducing agent helps in preventing disulphide bond formation.

Application:

20X MES-SDS Running Buffer is useful for separation of small proteins, 2 – 50 kDa, on Bis-Tris gels.

Composition: 1M MES, 1M Tris base, 2% SDS and 20mM EDTA.

Note:

1. This buffer is provided as a 20X concentrated solution which has to be diluted with de-ionised water. Each time before use, add fresh Sodium bisulfite to a final concentration of 5 mM from a 1M stock.
2. It is advisable not to use Pre-stained marker while electrophoresing in MES-SDS Running Buffer.

Properties:

| | |
|------------------|---|
| Appearance | : Colorless solution |
| Clarity | : Clear and free of particles |
| DNase & RNase | : None detected |
| pH | : 7.2 - 7.4 |
| Suitability test | : This solution has been tested and is suitable for use in Bis-Tris polyacrylamide gel electrophoresis. |

Storage conditions:

20X MES-SDS Running Buffer has to be stored at 15-25°C and away from light. Under recommended condition, the reagent is stable for 6 months.

Warning and Precautions

Not for Medicinal Use. Read the SDS 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

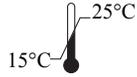
Performance of the solution is expected when the solution is stored at recommended temperature and within the expiry period.

Safety Information

The 20X MES-SDS Running Buffer 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.

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.



Storage temperature



Do not use if package is damaged



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07/2026

PIML120_0/0723

ML120-03

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