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TECHNICAL INFORMATION

Catalog Number: 816200, 816201, 816202, 816203, 816204, 816205, 816206

Electrophoresis Buffers

In order to simplify your electrophoresis procedures, we are pleased to introduce a series of premixed buffers. These buffer preparations eliminate the need for numerous individual chemicals and makes repetitive weighings usually associated with preparing buffers unnecessary.

Conveniently preweighed and premixed, our buffers are packaged in foil packets. Simply place the contents of one packet in a 4-liter flask, and add deionized water. Four liters of precise buffer solution is now ready to use.

Tris/Glycine Buffer, catalog number 816200

– 1 Box (12 packets)

Composition:

- 0.025 M Tris
- 0.192 M Glycine

Empty contents of 1 packet into a 4-liter flask, add 800 ml of methanol and QS to volume with deionized water. Four liters of pH 8.3 buffer is now ready to use.

This buffer is routinely used for electroblotting of proteins (Western Protein Transfer). Recommended buffer for use with our Biotrans[™] and Protrans[™] membranes for Western Transfer.

Tris/Glycine/SDS Buffer, catalog number 816201

– 1 Box (12 Packets)

Composition:

- 0.025 M Tris
- 0.192 M Glycine
- 0.1% SDS

Empty contents of 1 packet into a 4-liter flask and add deionized water. Four liters of buffer is now ready to use.

This is a commonly used protein running buffer in electrophoresis.

Tris/Borate/EDTA Buffer, catalog number 816202

– 1 Box (12 Packets)

Composition:

- 0.089 M Tris
- 0.089 M Boric Acid
- 0.0025 M EDTA

Empty contents of 1 packet into a 4-liter flask and add deionized water. Four liters of pH ~8.3 buffer is now ready to use.

This non-SDS based buffer is commonly used for polyacrylamide gel electrophoresis.

DNA/RNA Running Buffer, catalog number 816203

– 1 Box (12 Packets)

Composition:

- 20 mM Tris HCl
- 0.2 mM EDTA
- 5 mM NaCl

Empty contents of 1 packet into a 4-liter flask and add deionized water. Four liters of pH 8.0 buffer is now ready to use. This is a commonly used buffer for DNA/RNA electrophoresis.

Tris/EDTA Buffer, catalog number 816204

- 1 Box (12 Packets)

Composition:

- 10 mM Tris HCl
- 0.1 mM EDTA

Empty contents of 1 packet into a 4-liter flask and add deionized water. Four liters of pH 7.4 buffer is now ready to use. This buffer is useful for DNA extractions from Low Gelling Temperature LGT Agarose gels. NOTE: If contents of 1 package are dissolved in 2 liters of deionized water, buffer is useful for DNA isolations with cesium chloride protocols.

Tris/NaCl/EDTA Buffer, catalog number 816205

- 1 Box (12 Packets)

Composition:

- 20 mM Tris HCl
- 2 mM EDTA
- 100 mM NaCl

Empty contents of 1 packet into a 4-liter flask and add deionized water. Four liters of pH 8.0 buffer is now ready to use. This buffer is commonly used for extracting RNA from protein with guanidine hydrochloride protocols.

Tris/NaCl/EDTA Buffer, catalog number 816206

- 1 Box (12 Packets)

Composition:

- 20 mM Tris HCl
- 10 mM EDTA
- 50 mM NaCl

Empty contents of 1 packet into a 4-liter flask and add deionized water. Four liters of pH 7.6 buffer is now ready to use. This buffer is used for RNA isolation using cesium chloride protocols.