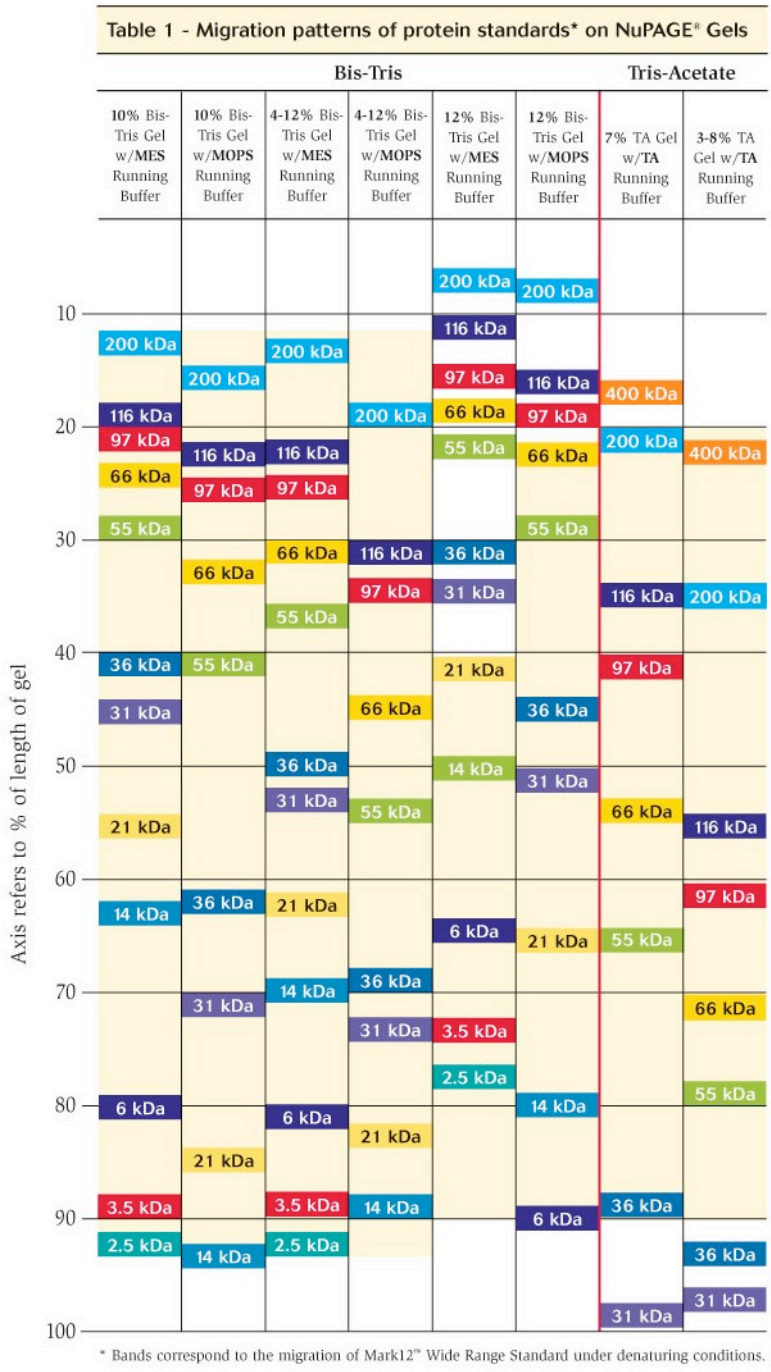
2 DIMENSIONAL
GELS

TABLE SHOWING MIGRATION PATTERNS OF PROTEIN STANDARDS ON SDS PAGE GELS



SOP FOR PREPARATION OF SDS EQUILIBRATION BUFFER FOR IPG DRYSTRIPS

MATERIALS:

Glycerol
1.5 M Tris HCl, pH 8.8
urea
SDS
1% Bromophenol blue in water

PROCEDURE: (200 ml of solution)

1. Place an empty 500 ml beaker on top-loader balance and tare
2. Measure out 60 gm of glycerol into the beaker
3. Add MilliQ water to approximately 150 ml
4. Add stir bar and place on stirrer; mix slowly
5. Add 72.1 gm Urea
6. Dissolve by stirring (add water or gentle heat if necessary)
7. Add 6.7 ml 1.5 M Tris HCl, pH 8.8
8. Add 4 gm SDS; mix
9. Add 1 ml 1% Bromophenol blue; mix
10. Bring volume to 200 ml with MilliQ water
11. Store at Room Temperature

NOTE: Must add DTT or Iodoacetamide before using to equilibrate strips.

SEALING AGAROSE FOR 2D GELS

SOLUTIONS NEEDED:

LMT Agarose
SDS PAGE “stacking” buffer
1% bromophenol blue in water

PROCEDURE:

1. Dissolve 0.5 gm LMT agarose in 100 ml SDS PAGE stacking buffer using heat (final [] is 0.5% w/v)
2. Add 1ml 1% bromophenol blue
3. Aliquot into 1 ml fractions (screw-cap Eppies work well)
   Store at RT (indefinite shelf life)