

The Tris tricine buffer system for the DALT 12

Yesterday i have run the first experiment with ETTAN DALT II gels using tricine buffer in the upper tank for improved resolution of small peptides.

It works well!

The result is not yet perfect to show, because i ran it for a too short time. I have run it until the first front reached the end of the cassette, the bromophenol blue front was 3 cm behind it (after 4 hours 15 min at 20 W per gel). The smallest of the peptides (2500 Da) was ca. 9 cm way from the edge.

This night i shall run a second experiment and add Xylencyanol to the markers.

The composition of the cathodal buffer was the following:

4.84 g Tris,

71.68 g Tricine (from Company Roth, Karlsruhe, half price of Sigma)

Add 25 mL SDS solution (10%) [or 2.5 g SDS]

Fill ® 2.5 L with deionized water