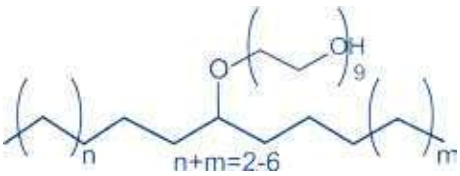
1 Sample Preparation for Native PAGE

Detergents

To improve the solubility of hydrophobic and membrane proteins you have to add non-ionic detergents to native PAGE sample preparations. They do not interfere with the electrophoretic run, but result in less streaking and better resolution.

Product	Size	Cat. No.
Digitonin	1 g	19550.02
Digitonin water soluble	250 mg	19551.01
	1 g	19551.02
Dodecyl-beta-D-maltoside	1 g	20780.03
Tergitol™ 15-S-9	100 ml	37242.01
	500 ml	37242.02
	2.5 L	37242.03

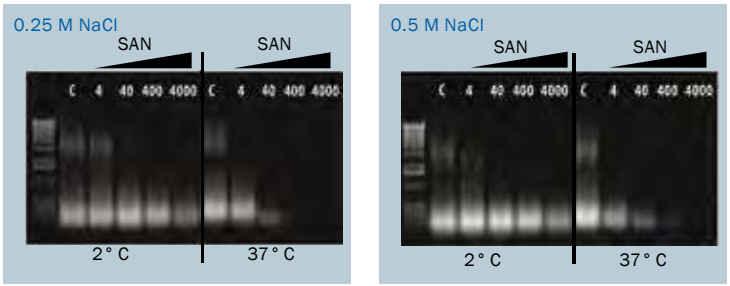


Enzymes

Cell and tissue lysates often have a high DNA content, which causes a high viscosity of samples. This impairs separation and resolution of native PAGE. Salt Active Nuclease is used for effective reduction of viscosity caused by nucleic acids for best separation results.

Salt Active Nuclease is the choice for high salt samples. It digests DNA effectively after dissociation of DNA-protein complexes in high salt concentrations (up to 500 mM NaCl).

Product	Size	Cat. No.
Salt Active Nuclease	5.000 U	18541.01



Incubation of E. coli lysate with increasing units of Salt Active Nuclease for 30 min

Sample preparation is a crucial step in native PAGE