

	components	concentration
stacking gel buffer	Tris-HCl (Sigma, T1503) Sodium-Dodecylsulfate (SDS; Serva Electrophoresis GmbH, Cat. No. 20783) adjust to pH 6.8	0.5 M 0.4 % (w/v)
separation gel buffer	Tris-HCl (Sigma, T1503) SDS (Serva Electrophoresis GmbH, Cat. No. 20783) adjust to pH 8.8	1.5 M 0.4 % (w/v)
2x sample buffer	Tris-HCl (Sigma, T1503) SDS (Serva Electrophoresis GmbH, Cat. No. 20783) Glycerin (Sigma, G8773) β -Mercaptoethanol (Sigma, M7522) Bromphenolblau (Pharmacia Biotech, plusone, Cat. No. 17-1329-01) adjust to pH 6.8	0.12 M 8 % (w/v) 20 % (w/v) 10 % (v/v) 0.1 % (w/v)
running buffer	Tris (Sigma, T1503) Glycin (Carl Roth GmbH & Co, Cat. No. 3908.2) SDS (Serva Electrophoresis GmbH, Cat. No. 20783)	0.025 M 0.192 M 0.1 % (w/v)
blotting buffer	Tris-HCl (Sigma, T1503) Glycin (Carl Roth GmbH & Co, Cat. No. 3908.2) Methanol (Fisher Scientific, HPLC grade, Cat. No. M/4056/17) pH 8.3	0.025 M 0.192 M 20 % (v/v)
TBS buffer	Tris-HCl (Sigma, T1503) NaCl (Sigma, S5886) pH 7.5	0.02 M 0.15 M
blocking solution	low-fat milk (1.5 % fat; local dairy) TWEEN 80 (Sigma, P4780) in TBS buffer	10 % (v/v) 0.1 % (v/v)
buffer for NTB/BCIP dying solution	Tris-HCl (Sigma, T1503) NaCl (Sigma, S5886) MgCl ₂ (Sigma, M4880) pH 9.5	0.1 M 0.1 M 0.05 M
NTB/BCIP dying solution	NTB/BCIP stock solution (Roche Diagnostics GmbH, Cat. No. 11681451001) in buffer for NTB/BCIP dying solution	0.2 % (v/v)