

# Migration Patterns of Tricolor Prestained Protein Ladder

The following charts illustrate the migration behavior of the prestained protein ladder across different gel types and concentrations. Apparent molecular weights are shown for Tris-Glycine, Bis-Tris and Gradient-like systems, providing a practical reference for protein size estimation under commonly used electrophoresis conditions

Gel type		Tris-Glycine					Bis-Tris					Gradient-like	
Gel percentage		6%	7.5%	10%	12.5%	15%	4-20%	8%	10%	12%	4-12%	4-20%	-
Running buffer		Tris-Glycine					MOPS					GL buffer	
		Apparent Molecular Size (kDa)											
% Length of gel	10		250	250	250	250	250	230	230	230	230	230	250
	20		150	150	150	150	150	140	140	140	140	140	150
	30			100	100	100	100	98	98	98	98	98	100
	40		100	70	70	70	70	70	63	63	63	63	70
	50			50	50	50	50	50	49	49	49	49	50
	60		100	40	40	40	40	40	39	39	39	39	40
	70			35	35	35	35	35	34	34	34	34	35
	80			20	20	20	20	20	20	20	20	20	20
	90			15	15	15	15	15	15	15	15	15	15
	100			10	10	10	10	10	10	10	10	10	10

Migration Patterns of Tricolor Prestained Protein Ladder (CY5466 & CY5468)

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Gel percentage		6%	7.5%	10%	12.5%	15%	4-20%	8%	10%	12%	4-12%	4-20%	-
Running buffer		Tris-Glycine						MOPS					GL buffer
		Apparent Molecular Size (kDa)											
% Length of gel	10			180	180 130 100	180 130 100	180 130 100	180 130 120	160 120	160 120 80	160 120	160 120	180 130
	20		180	130 100	70	50	70	130 100	160 120	80	80	120	100
	30		130	70	50	40	70	80	68	48	80	80	70
	40		100	50	35	25	70	50	68	38	68	48	35
	50			40	35	25	25	40	38	30	48	38	25
	60		70	35	25	15	15	25	30	25	30	30	20
	70		50	25	15	10	10	15	25	15	25	25	15
	80		40		15	10	10	10	25	15	15	15	10
	90		35										
	100					10				10			

Migration Patterns of Tricolor Prestained Protein Ladder (CY5463)