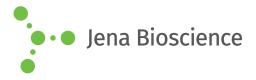
DATA SHEET





JBScreen Buffers Xtreme

Cat. No.	Amount
CS-215	84 solutions (1,7 ml each)

	1	2	3	4	5	6	7	8	9	10	11	12	
A	empty	empty	empty	empty	empty	empty	empty	empty	empty	empty	empty	empty	
в	Glycine, pH 3.0	Glycylglycin e, pH 3.8	Citrate, pH 3.2	Succinate, pH 3.5	Acetate, pH 4.5	МІВ, pH 4.5	BIS-TRIS Propane, pH 8.5	Bicine, pH 8.5	Taurine, pH 8.5	Glycine, pH 10.0	CAPSO, pH 9.5	MIB, pH 9.0	
c	Formate, pH 3.0	Malate, pH 3.0	Citrate, pH 3.5	Succinate, pH 4.0	Acetate, pH 5.0	МІВ, pH 5.0	BIS-TRIS Propane, pH 9.0	Bicine, pH 9.0	Taurine, pH 9.0	Glycine, pH 10.5	CAPSO, pH 10.0	МІВ, рН 9.5	
D	Formate, pH 3.5	Malate, pH 3.5	Citrate, pH 4.0	Succinate, pH 4.5	Acetate, pH 5.5	МІВ, pH 5.5	BIS-TRIS Propane, pH 9.5	AMPD, pH 8.5	Taurine, pH 9.5	CHES, pH 8.6			
E	Formate, pH 4.0	Malate, pH 4.0	Citrate, pH 4.5	Succinate, pH 5.0	Malonate, pH 5.0	SPG, pH 4.0	Glycylglycin e, pH 8.5	AMPD, pH 9.0	Tricine, pH 8.5	CHES, pH 9.0			
F	Formate, pH 4.5	Malate, pH 4.5	Citrate, pH 5.0	Succinate, pH 5.5	Malonate, pH 5.5	SPG, pH 4.5	Glycylglycin e, pH 8.9	AMPD, pH 9.5	Glycine, pH 8.6	CHES, pH 9.5			
G	Glycylglycin e, pH 3.0	Malate, pH 5.0	Citrate, pH 5.5	Acetate, pH 3.6	MES, pH 5.5	SPG, pH 5.0	TRIS, pH 8.5	TAPS, pH 8.5	Glycine, pH 9.0	CHES, pH 10.0			
н	Glycylglycin e, pH 3.5	Malate, pH 5.5	Succinate, pH 3.2	Acetate, pH 4.0	МІВ, pH 4.0	SPG, pH 5.5	TRIS, pH 9.0	TAPS, pH 9.0	Glycine, pH 9.5	CAPSO, pH 9.0		SPG, pH 10.0	
	acidic buffers, pH 3.0 - 5.5							basic buffers, pH 8.5 - 11.0					

Shipping: shipped at ambient temperature Storage Conditions: store at 4 °C Shelf Life: 12 months

Description:

JBScreen Buffers Xtreme contain common buffer stocks (0.5 M concentration) in the extreme pH ranges (3.0 - 5.5 and 8.5 - 11.0) in useful 0.5 pH unit increments.

MIB buffer is produced by mixing Malonic acid:Imidazole:Boric acid in the molar ratios 2:3:3. SPG buffer is produced by mixing Succinic acid:Sodium dihydrogen phosphate:Glycine in the molar ratios 2:7:7. These 'Super Buffers' screen the pH range from 4.0 to 10.0 without changing the chemical composition of the buffer solution.

Related Products:

JBScreen Buffers, #CS-214 JBScreen Thermofluor FUNDAMENT HTS, #CS-332 JBScreen Thermofluor SPECIFIC HTS, #CS-333

Selected References:

Newman (2004) Novel buffer systems for macromolecular crystallization. Acta Cryst. D **60**:610.

