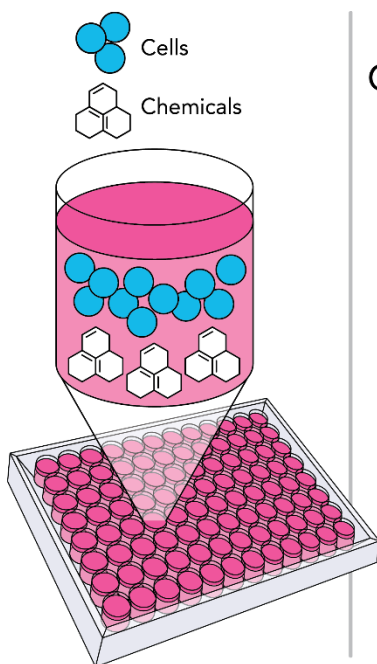




# ChemStress<sup>®</sup>

## Chemicals Specifications



Cell-Based 96-Well Plate  
Coated with 32 Dried-Down  
Chemical Stressors

- ✓ Simple, Rapid & Cost Effective Assay
- ✓ Small Footprint
- ✓ Low CapEx
- ✓ Monitor Biological Metrics
- ✓ Reduce Bioproduction Risks



Abbreviation	Chemical name	Concentration ( $\mu\text{g} / \text{Well}$ )	ChemStress Wells			
D-Phe (1)	D-Phenylalanine	400	A7	A8	A9	
D-Phe (3)	D-Phenylalanine	550	C5	C6		
MeAIB (1)	$\alpha$ -Methylamino-isobutyric acid	1416	C10	C11	C12	
MeAIB (2)	$\alpha$ -Methylamino-isobutyric acid	1906.5	G4	G5	G6	
NaBu	Sodium butyrate	12.88	F1	F2	F3	
AmChl (1)	Ammonium chloride	168.5	A10	A11	A12	
AmChl (2)	Ammonium chloride	240	B4	B5	B6	
Cadm (2)	Cadmium acetate * 2 H <sub>2</sub> O	0.04	B7	B8	B9	
Cadm (3)	Cadmium acetate * 2 H <sub>2</sub> O	0.05	D10	D11	D12	
CoCl <sub>2</sub> (1)	Cobalt chloride * 6 H <sub>2</sub> O	1.6	B10	B11	B12	
CoCl <sub>2</sub> (2)	Cobalt chloride * 6 H <sub>2</sub> O	2	H10	H11		
NaCl	Sodium chloride	590	D7	D8	D9	
NaLac	Sodium L-lactate	655.55	H4	H5	H6	
AMT	3-Amino-1,2,4-triazole	70.05	C8	C9		
MSB (4)	Menadione sodium bisulfite	0.16	B1	B2	B3	
MSB (5)	Menadione sodium bisulfite	0.18	E7	E8	E9	
MSB (3)	Menadione sodium bisulfite	0.14	H7	H8	H9	
BSO	L-Buthionine sulfoximine	208	D1	D2	D3	
MS	Mercaptosuccinic acid	78.36	D4	D5	D6	
NaOxam	Sodium oxamate	566.47	E1	E2	E3	
2-dg	2-Deoxy D-glucose	29.55	E4	E5	E6	
BCH	2-Amino-2-norbornane-carboxylic acid	698.36	G11	G12		
Val	Valproic acid sodium salt	26.92	F4	F5	F6	
NaOthv	Sodium-orthovanadate	0.56	F7	F8	F9	
Citric	Citric acid	43.23	F1	F11	F12	
AzaCyt (1)	5-Azacytidine	0.06	E10	E11	E12	
AzaCyt (2)	5-Azacytidine	0.12	A4	A5	A6	
Rapa	Rapamycin	0.71	H1	H2	H3	
Rapa (2)	Rapamycin	0.9	C1	C2	C3	
BfA (3)	Brefeldin A	0.02	A1	A2	A3	
BfA (4)	Brefeldin A	0.03	G1	G2	G3	
BfA (5)	Brefeldin A	0.04	C6	C7		
H <sub>2</sub> O	No chemical	NA	G7	G8	G9	G10
H <sub>2</sub> O	No chemical	NA	H12			

	1	2	3	4	5	6	7	8	9	10	11	12
<b>A</b>	Bref (3)			AzaCyt (2)			D-PHE (1)			Am.Chl (1)		
<b>B</b>	MSB (4)			Am.Chl (2)			Cadm (2)			CoCl <sub>2</sub> (1)		
<b>C</b>	Rapa (2)			D-PHE (3)		Bref (5)		AMT		MelAB (1)		
<b>D</b>	BSO			MS			NaCl			Cadm (3)		
<b>E</b>	NaOxam			2dg			MSB (5)			AzaCyt		
<b>F</b>	NaBu			Val			NaOthv			Citric		
<b>G</b>	Bref (4)			MelAB (2)			H <sub>2</sub> O				BCH	
<b>H</b>	Rapa			NaLac			MSB (3)			CoCl <sub>2</sub> (2)		H <sub>2</sub> O

## ChemStress® Materials Safety Statement

Version 1. 2019

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All working solutions for the intermediate ChemStress® plate product, are not classified as hazardous materials by the current state of scientific knowledge.

For the ChemStress® plate, each 50 µl per well of all working chemical solutions are dispensed and dried-down. Consequently, the ChemStress® plate is not classified as hazardous materials and an MSDS is not required [as per guidelines].