

# Sodium Bicarbonate Addition Chart

## Technical Sheet

CORNING

To supplement the following media with sodium bicarbonate, the recommended amounts of sodium bicarbonate solid (g/L) or 7.5% solution (mL/L) should be added to the media.

	Cat. No.	Description	g/L*	mL/L**
DMEM	50-003	DMEM (Dulbecco's Modification of Eagle's Medium), Powder with 4.5 g/L glucose, L-glutamine, and sodium pyruvate, without sodium bicarbonate	3.70	49.33
	50-013	DMEM, Powder with 4.5 g/L glucose and L-glutamine, without sodium bicarbonate, or sodium pyruvate		
	90-013	DMEM, Powder with 4.5 g/L glucose, without sodium bicarbonate, L-glutamine, sodium pyruvate, and phenol red		
	90-113	DMEM, Powder without sodium bicarbonate, glucose, L-glutamine, sodium pyruvate, or phenol red		
DMEM F/12	90-090	DMEM/Ham's F-12 50/50 Mix, Powder without sodium bicarbonate, L-glutamine, or phenol red	2.44	32.53
	90-091	DMEM/Ham's F-12 50/50 Mix, Powder without sodium bicarbonate and L-glutamine		
HBSS	55-021	HBSS (Hank's Balanced Salt Solution), Powder without sodium bicarbonate, calcium, or magnesium	0.35	4.67
	55-022	HBSS, Powder without sodium bicarbonate, calcium, magnesium, or phenol red		
Medium 199	50-050	Medium 199 (Mod.), Powder with Earle's salts and L-glutamine without sodium bicarbonate	2.20	29.33
	90-050	Medium 199 (Mod.), Powder with Earle's salts without sodium bicarbonate, L-glutamine, or phenol red		
	50-051	Medium 199 (Mod.), Powder with Hank's salts and L-glutamine without sodium bicarbonate		
MEM (and modifications)	50-010	MEM (Minimum Essential Medium), Powder with Earle's salts and L-glutamine, without sodium bicarbonate	2.20	29.33
	50-011	MEM, Powder with Earle's salts, L-glutamine, and nonessential amino acids without sodium bicarbonate		
	51-010	MEM, Powder with Earle's salts, without L-glutamine or sodium bicarbonate		
	90-009	MEM, Powder with Earle's salts, without L-glutamine, phenol red, or sodium bicarbonate		
	50-012	MEM Alpha Medium, Powder with Earle's salts and L-glutamine without ribonucleosides, deoxyribonucleosides, or sodium bicarbonate		
	50-019	MEM, Powder with Hank's salts and L-glutamine without sodium bicarbonate		
	50-004	Glasgow's MEM, Powder with L-glutamine without sodium bicarbonate or tryptose phosphate broth		
RPMI 1640	50-020	RPMI 1640, Powder with L-glutamine, without sodium bicarbonate	2.00	26.67
	90-022	RPMI 1640, Powder without L-glutamine, phenol red, or sodium bicarbonate		
Other	50-040	Ham's F-12 Medium, Powder with L-glutamine without sodium bicarbonate	1.18	15.68
	50-045	Leibovitz's L-15, Powder with L-glutamine		
	50-016	Iscove's Modification of DMEM with L-glutamine, 25 mM HEPES without $\alpha$ -thioglycerol, $\beta$ -mercaptoethanol, or sodium bicarbonate		

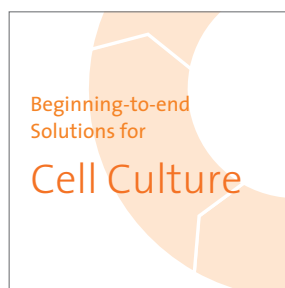
\*(g/L) = sodium bicarbonate solid

\*\* (mL/L) = 7.5% sodium bicarbonate solution

## Ordering Information

Cat. No.	Description	Unit Size	Qty/Pk
61-065-RO	Sodium bicarbonate powder, MW 84.01	500 g	1
61-065-RR	Sodium bicarbonate powder, MW 84.01	1 kg	1
25-035-CI	Sodium bicarbonate 7.5% solution	100 mL	6

**Warranty/Disclaimer:** Unless otherwise specified, all products are for research use only. Not intended for use in diagnostic or therapeutic procedures. Not for use in humans. Corning Life Sciences makes no claims regarding the performance of these products for clinical or diagnostic applications.



[www.corning.com/lifesciences/solutions](http://www.corning.com/lifesciences/solutions)

At Corning, cells are in our culture. In our continuous efforts to improve efficiencies and develop new tools and technologies for life science researchers, we have scientists working in Corning R&D labs across the globe, doing what you do every day. From seeding starter cultures to expanding cells for assays, our technical experts understand your challenges and your increased need for more reliable cells and cellular material.

It is this expertise, plus a 160-year history of Corning innovation and manufacturing excellence, that puts us in a unique position to offer a beginning-to-end portfolio of high-quality, reliable cell culture consumables.

For additional product or technical information, please visit [www.corning.com/lifesciences/media](http://www.corning.com/lifesciences/media) or call 1.800.235.5476.

**Mediatech, Inc.**  
A Corning Subsidiary  
9345 Discovery Boulevard  
Manassas, VA 20109  
t 800.235.5476  
t 703.471.5955  
f 703.467.9851  
[www.corning.com/lifesciences/media](http://www.corning.com/lifesciences/media)

**CORNING** | **FALCON**® **AXYGEN** **GOSELIN**™ **PYREX**®

For a listing of trademarks, visit us at [www.corning.com/lifesciences/trademarks](http://www.corning.com/lifesciences/trademarks). All other trademarks in this document are the property of their respective owners.