Writers Searles, Carpeter, Randolph RG Strickley, Visor, Lin, Gu	Magazine Journal of Pharm. Science	Year 2001	Edition/Pgs
	Journal of Pharm. Science	2001	
	ocumaror manni. Colonec		90(7):872-87
rto dirionoj, vidor, ziri, du	Pharm. Res		6:971-975
H.Vromans & JAH van Laarhoven	International Journal of Pharmaceutics		79:301-308
TI. VIOLIANO & OVAT VAIT Edamover	International Journal of Friannaceutics	1332	73.301-300
A.Liapis, R. Bruttini	Sep.Technol.	1994	4:144-155
Peter Heyman	Pharmaceutical Engineering	2007	Jan:34-40
G.Flynn	Journal of Parenteral Drug Assoc.	1980	34:139-162
L. van den Berg	J. Dairy Science	1961	14:26-31
RK Cavatur, Suryanarayanan	,	1998	
J. Searles		_	
LN Bell, TP Labuza	i		57:732-734
	6.1 654 Golding	1002	011102 101
C.Roth, Winter, Lee	Journal of Pharm. Science	2001	90-99
W.Kuu, L.Hardwick, M.Akers	International Journal of Pharmaceutics	2005	302:56-67
Feroz Jameel and Mallik Paranandi	American Pharmaceutical Review	2006	Vol.9 Issue 3 March-April:53-55
Survanaravanan		2002	19:894-900
Tchessalov, Jameel, Bjornson, Besman, Pikal	2000 AAPS annual meeting	2000	
Hottot, Vessot, And Andrieu	PDA J. of Pharm.Sci. and Technology	2005	59(2) March-April:138-153
			
W.Kuu, J.McShane, and J.Wong	International Journal of Pharmaceutics	1995	124:241-252
RG Bates		1973	2nd ed.,p90
AC Templeton, J.Placek,et al	PDA Journal of Pharm Science & Tech	2003	57(2):75
C Compar Dikal Bodriguez Harnada	Dharm Dan	2004	40.00.07
L-M Her, Deras, Naii	Pharm. Res	1995	12:768-772
N.Milton, Pikal, Rov. Nail	PDA Journal of Pharm Science & Tech	1997	(5)7-16
		_	3:373-383
010)10, 110000101, 241100011, 1 mm 1g01, 7 mm 211	Tham. Dev. Technol	1330	3.373-303
MJ Pikal, K. Dellerman, et al.	Developing Biol. Standard	1991	74:21-38
F. Franks	European Journal of Pharmaceutics and Biopharmaceutics	1997	(45)221-229
	·		
X.Lu and M. Pikal	Pharm.Dev. And Technology	2004	9(1):85-95
MJ Pikal	Formulation and delivery of proteins and peptides	1994	pp. 120-133
Gan, Bruttini, Crosser, & Liapis	Int. Journal of Heat and Mass Transfer	2005	48:1675-1687
Tsinontides, Rajniak, Pham, Hunke, Placek,			
	International Journal of Pharmaceutics		280:1-16
= ······*	Academic Press		
	Pharm. Res.	1995	12:1457-1461
Food and Drug Administration		1993	
0.5 11 11 5 1.51 511			
		_	5(4) Art. 58
S.Rambhatla and M.Pikal	Lyophilization of Biopharmaceuticals:AAPS press	2004	75-109
Pambhatla, Pamat Phuara and Pikal	AADS DharmSeiTach	2004	0(4):95 05
·			9(1):85-95 246:1-16
	International Journal of Pharmaceutics	2002	240.1-10
Wang	Pharm, Dev. Tech	2002	7:113-146
F.Jameel and SY Patro	American Pharmaceutical Review		18:46-50
	G.Flynn L. van den Berg RK Cavatur, Suryanarayanan J. Searles LN Bell, TP Labuza C.Roth, Winter, Lee W.Kuu, L.Hardwick, M.Akers Feroz Jameel and Mallik Paranandi Suryanarayanan Tchessalov, Jameel, Bjornson, Besman, Pikal Hottot, Vessot, And Andrieu W.Kuu, J.McShane, and J.Wong RG Bates AC Templeton, J.Placek, et al G.Gomez, Pikal, Rodriguez-Hornedo L-M Her, Deras, Nail N.Milton, Pikal, Roy, Nail Croyle, Roessler, Davidson, Hilfinger, Amidon MJ Pikal, K. Dellerman, et al. F. Franks X.Lu and M. Pikal MJ Pikal Gan, Bruttini, Crosser, & Liapis Tsinontides, Rajniak, Pham, Hunke, Placek, & Reynolds JD Mellor Akers, Milton, Byrn, Nail Food and Drug Administration S.Rambhatla, Ramot, Bhugra, Pikal Rambhatla, Romot, Bhugra and Pikal M.Brulls and A.Rasmuson Waterman, Adami, Alsante, Antipas, Arenson, Carrier, Hong, Landis, Lombardo, Shah, Shalaev, Smith, Wang	G.Flynn L. van den Berg J. Dairy Science K. Cavatur, Suryanarayanan Pharm. Res J. Searles Proc.CPPR Freeze-Drying of Pharmaceutical and Biologicals LN Bell, TP Labuza J. Food Science C.Roth, Winter, Lee Journal of Pharm. Science W.Kuu, L.Hardwick, M.Akers International Journal of Pharmaceutics Feroz Jameel and Mallik Paranandi Suryanarayanan Pharm. Res Tohessalov, Jameel, Bjornson, Besman, Pikal Hottot, Vessot, And Andrieu PDA J. of Pharm.Sci. and Technology W.Kuu, J.McShane, and J.Wong International Journal of Pharmaceutics RG Bates AC Templeton, J.Placek, et al PDA Journal of Pharm Science & Tech G.Gomez, Pikal, Rodriguez-Hornedo Pharm. Res N.Milton, Pikal, Roy, Nail Pharm. Res N.Milton, Pikal, Roy, Nail PDA Journal of Pharm Science & Tech Pharm. Res N.Milton, Pikal, K. Dellerman, et al. F. Franks European Journal of Pharmaceutics and Biopharmaceutics Int. Journal of Pharmaceutics and Biopharmaceutics LT European Journal of Pharmaceutics and Pharmaceutics Int. Journal of Pharmaceutics and Pharmaceutics Int. Journal of Pharmaceutics and Pharmaceutics ALU and M. Pikal Pharm. Dev. And Technology Pharm. Dev. And Technology MJ Pikal Pharm. Dev. And Technology Pharm. Dev. Pharmaceutics and Biopharmaceutics Int. Journal of Pharmaceutics Pharm. Dev. Pharm. Science Pharm. Dev. Pharmaceutics Pharm. Dev. Technol	G.Flynn Journal of Parenteral Drug Assoc. 1900 L. van den Berg J. Dairy Science 1961 K. Cavatur, Suryanarayanan Pharm. Res 1998 J. Searles Proc.CPPR Freeze-Drying of Pharmaceutical and Biologicals 2004 LN Bell, TP Labuza J. Food Science 1992 C.Roth, Winter, Lee Journal of Pharm. Science 2001 W.Kuu, LHardwick, M.Akers International Journal of Pharmaceutics 2005 Feroz Jameel and Mallik Paranandi American Pharmaceutical Review 2006 Suryanarayanan Pharm. Res 2002 Tchessalov, Jameel, Bjornson, Besman, Pikal 2000 AAPS annual meeting 2000 Hottot, Vessot, And Andrieu PDA J. of Pharm. Sci. and Technology 2006 W.Kuu, J.McShane, and J.Wong International Journal of Pharmaceutics 1995 RG Bates 1973 2007 AC Templeton, J.Placek, et al PDA Journal of Pharm Science & Tech 2003 G.Gomez, Pikal, Rodriguez-Hornedo Pharm. Res 2001 L-M Her, Deras, Nail Pharm. Res 2001 N.Milton, Pikal, Roy, Nail P

	T=		
Investigations into the stabilization of drugs by sugar glasses:	Ericksson, Hinrichs, de Jong, Somsen, Frijlink	Pharm. Res.	2003 20:1437-1443
Lyophilization Closures for Protein Based Drugs	F. DeGrazio and K. Flynn	Journal of Parental Science & Technology	1991 46:54-61
Lyophilization: Heat and Mass Transfer	Narlin Beaty	American Pharmaceutical Review	2006 81-87
Lyophilization: Introduction and Basic Principles	Tom Jennings	Interpharm Press	1999
Mass and Heat Transfer in Vial Freeze-Drying of Pharmaceuticals:Role of the Vial	MJ Pikal, ML Roy and S.Shah	Journal of Pharm. Sci	1984 73:1224-1237
Measurement of the pH of frozen buffer solutions by using pH indicators	Y Orii and M Morita	J.Biochem	1977 81:163-168
Mechanisms of protein stabilization during freeze-drying and storage	MJ Pikal	Freeze-Drying/Lyophilization of pharmaceutical and biological produ	1999 pp.74-77
Moisture Absorption and desorption of Different rubber Lyophi	S.Corveleyn, S.De Smedt, et al.	Journal of Parental Science & Technology	1997 159:57-65
Moisture Transfer from Stopper to Product and Resulting Stability Implications	M.J. Pikal and S.Shad	Developing Biological Standard	1991 74:165-179
On the Way to Rational Freeze- Drying	Yves Mayeresse and Romain Veillon	American Pharmaceutical Review	2007 37-42
pH Changes in buffers and foods during freezing and subsequent storage	L van den Berg	Cryobiology	1966 3:236-242
Physical chemistry of freeze-drying:measurement of sublimation rate for frozen aqueous			
solution by a microbalance technique.	MJ Pikal et al.	J. Pharm. Sci.	1983 72:635-650
Physical State of L-histidine after freeze-drying and long-term storage.	t.Osterbergand T. Wadsten	Eur. J. Pharm. Sci.	1999 8:301-308
the frozen state	TJ Anchordoquy and JF Carpenter	Arch. Biochim.Biophys.	1996 332:231-238
Principles of Lyophilization Cycle Scale-Up	Tchessalov, Dixon, and Warne	American Pharmaceutical Review	2007 88-91
Rational design of stable lyophilized protein formulations:Some practical advice	JF Carpenter, Pikal, Chang, Randolph	Pharm. Res.	1997 14:969-975
gamma	Lam, Constantino, Overcashier, Nguyen, and Hsu	Int. J. Pharm	1996 14:285-295
Salt Precipitation during the freeze-concentration of phosphate buffer solutions	N. Murase, Echlin, and Franks	Cryobiology	1991 28:364-375
Scale-up Strategy for a Lyophilization Process	E. Trappler	American Pharmaceutical Review	2001 4:55-60
Solid-liquid state diagrams in Pharmaceutical Lyophilisation:Crystallation of Solutes	Shalaev, Franks	H.Levine, The Royal Society of Chemistry	2002 pp200-215
Strategies for Successful Lyophilization Process Scale-Up	Samir U. Sane and Chung C. Hsu	American Pharmaceutical Review	2007 132-136
buffered aqueous solutions.	SS Larsen	Arch,Pharm,Chemi,Sci,Ed.	1973 1:41-53
Sublimation during Lyophilization by Temp. Profile and X-Ray Technique	Schelenz, Engel, and Rupprecht	International Journal of Pharmaceutics	1995 113:113-140
Temperature distribution in a vial during freeze-drying of skim milk.	Chi Sung Song, Ham, Kim, Ro	J. Food Engineering	2004
The Crystallization kinetics of glycine hydrochloride from "frozen" solution.	N.Milton and S. Nail	Pharm. Res.	1995 12:1457-1461
The Design of Optimal Multifactorial Experiments	RL Plackett and JP Burman	Biometrika	1946 vol.33
The Effect of addition of sodium and potassium chloride to the reciprical system	L.Van Den Berg, D.Rose	Arch. Biochim. Biophys	1959 84:305-315
The Effects of Cooling Rate on Solid Phase Transitions	Williams, Lee, Polli, and Jennings	J.Parent.Sci.Tech	1986 40(4):135-41
The Effects of freezing on the pH and composition of sodium and potassium solutions	L.Van Den Berg, D.Rose	Arch, Biochim	1959 81:319-329
Vaccine	JP Earle, PS Bennett, et al.	Develop. Biol. Standard	1990 74:204-210
The Ice Nucleation Temperature Determines the Primary Drying Rate of Lyophilization for	or Earle, i o Bermett, et al.	Develop. Biol. Standard	1990 74.204-210
Samples Frozen on a Temperature-Controlled Shelf	JA Searles, JF Carpenter, TW Randolph	Journal of Pharm, Sci	2001 90:860-871
The Impact of Buffer on Processing and Stability of Freeze-Dried Dosage Forms	Evgenyi Y. Shalaev	American Pharmaceutical Review	2005 80-87
The Impact of Stopper Drying for Lyophilized Products	Abend, Templeton, and Reed	American Pharmaceutical Review	2007 35-38
The Influence of the Freeze Processon vapour Transport During Sublimation in Vacuum-		- Interior - Harmassalica Noview	200. 00 00
Freeze-Drying of Macroscopic Samples	M.Kochs, Korber, Heschel,& Nunner	International Journal of Heat Mass Transfer	1993 (36)1727-1738
The Need for PAT During Freeze-Drying	Alan Rhoden	American Pharmaceutical Review	2007 28-31
The Nonsteady State Modeling of freeze drying:in process product temp and moisture	Pikal, Cardon, Bhugra, Chandan, Jameel,		
content mapping and pharmaceutical product quality application.	Rambhatla, Mascarenhas, and Akay	Pharm. Dev. And Technology	2005 10(1):17-32
The Structural states of freeze-concentrated and freeze-dried phosphates studied by			
scanning electron-microscopy and differential scanning calorimetry	N.Murase, Echlin, and Franks	Cryobiology	1991 28:364-375
Thermophysical properties of pharmaceutically compatible buffers at sub-zero	Chalana Jahanna Elten Chana Bilal	Di anno Bara	0000 40 405 004
temperatures: implications for freeze-drying.	Shalaev, Johnson-Elton, Chang, Pikal	Pharm. Res	2002 19:195-201
Transferring the Lyophilization process from One Freeze-dryer to Another	Tom Jennings	American Pharmaceutical Review	2002 Vol.5 1,34-42
Use of Subambient thermal analysis to optimize protein lyophilization	BS Chang and CS Randall	Cryobiology	1992 29:632-656
Water Permeability of Elastomers	HR Held and S.Landi	Journal of Biological Standardization	1977 5:111-119