Relationship bety	ween Refract	ometer Rea	dings and P	lasma IgG Leve	ls
Clinical	Dlaama	InC Lovel (m	n a / all \		
Clinical		IgG Level (m			
Refractometer	when fed	when fed	when fed		
Reading	maternal	maternal	colostrum		
	colostrum	colostrum	replacer		
-	(Quigley)	(Tyler)	(Quigley)		
7	1914	2692	2225		
6.8	1805	2512	2125		
6.6	1696	2332	2025		
6.4	1587	2151	1924		
6.2	1478	1971	1824		
6	1369	1791	1724		
5.8	1260	1611	1624		
5.6	1151	1431	1524		
5.4	1042	1250	1424		
5.2	933	1070	1324		
5	824	890	1224		
4.8	715	710	1124		
4.6	606	530	1023		
4.4	497	349	923		
4.2	388	169	823		
4	279	N/A	723		
Notes:					
1. Current indust	ry standards	suggest 100	00 mg/dl lgG	as a threshold	
for passive trans	fer failure.				
2. Colostrum rep	lacer manufa	cturer repor	ts that the r	atio between	
IgG and total pro					
for colostrum replacer it is estimated at 224. This difference is					
attributed to replacer processing and ingredient selection.					
3. Equations for IgG values above from Quigley, personal communication.					
Similar equations					
Protein and IgG					i
Journal of Dairy					
4. Two sources of					
the variation from					
levels from refractometer readings they are only rough estimates, not					
exact values.			1 2,		
2.1201 1214001	+	+			
For corrections of	r suggestion	s for change	s contact S	am I eadlev	
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