able 1, ... Sugar Alcobols and Plaque pM; Acid Production

Study	Study Design	Subjects	Methods	Results	Comments
Birkhed et al., 1978 (Ref. 40)	In vitro study of scid production from GLU	18 subjects, 25-40 years old	Prior to study, all Ss used SOR dentifices and consumed sporadically	Results showed acid production with SOR before the SOR adaptation period was 11.3% of that resulting from the	Authors state that increased in vitro acid production from SOR after the adaptation period shows that
	and SOR in dental plaque suspensions and in vivo on changes		candies). No oral hygiene 2 (d) before; no professional cleaning	GLU control. After the adaptation period, acid production from SOR	adaptation occurred. Authors note that initial plaque pw values in the
	after mouth rinses		before this 2-day period. Pleque was scraped off buccel, lingual, and control surfaces. Wethods for	increase (p.0 ju.es, a significant increase (p.0.001) from the before daptetion period.	presente of the work and there and these differences may have
			measuring acid production are described in the study. Alter acid	Mean plaque pH with 10% GLU soln	influenced statistical enalyses or ph differences. However, ph curves for GLU before and after adaptation
			production was followed for white of 0.2 M GLU solution control (C)	adaptation	whereas the SOR curves did not. SOR
			was added and acid production was followed for another 6 min. This	9 2 32 30 30	ph values efter adaptation decreased slightly over 30 min, although
			procedure was repeated teated for as a substrate.	# 6.77 6.06 5.88 5.77 6.25 6.55	differences were significant at 10 and 20 min.
			One week after acid measured, St rinsed with water, then rinsed for 30	<0.05 <0.05	Authors conclude that these
			sec with 10% Gill soln. Sample plaque was taken immediately and at time 2, 4, 10, 20 and 30 min after the rines.	Mean places ph with 10% som soln before and after 20% adaptation	Axperimentability of SOR was more premounced after adaptation than
	-	-	Analysis carried out using the pH values or the differences between pH	0 2 8 10 20 10	Defore. They sist conclude that bor can be requested as a satisfactory beariogenic substitute for
			values. Painted n. near used for statistical smallysis. Adamtation Deriod:	# 6.91 6.96 7.01 6.99 7.00 6.99	fermentable sugars, such as S. fructose and GLU.
	-		Ss also instructed to rinse 6 x per day for 6 weeks with a 10% 80% soln	} ,	
			without evallowing it. After 4 weeks, plaque was collected for	Significant difference between time (t) 0 and t = 10 and between t = 0	
		-	determination in vitro acid production and after 5 and 6 weeks of stantanton when a party of the way	and t = 20, p<0.01; and t = 0 and t = 30, p<0.05.	
			measured after mouth rinses with GLU		