Table referenced as "Psittacosis viruses"

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TABLE I. ESTIMATION OF PERIODS IN THE GENERATION TIME OF HeLE CELLS IN LOG-PHASE GROWTH BY CELL COUNTS AND LABELING WITH TRITIATED THYMIDINE

TYPE OF EXPERIMENT	CYCLE MEASURED	TIME LIMITS (HOURS)	% OF. CYCLE	SUM OF MEAN %	SUM OF MEAN TIMES (HOURS)	
COUNTING OF CELLS PULSE H ³ T,	DOUBLING TIME OF POPULATION*	26.0	100.0			
LABELED MITOSES APPEAR: REACH 100%:	MINIMUM G2 MAXIMUM G2 MEAN G2	3.0 12.0 7.5	11.5 46.0 29.0	29	7.5	
PULSE H ³ T, LABELED NUCLEI			25.0	25	6.5.	
CALCULATION OF DIFFERENCE	DT-(S+G ₂): MAX. - G ₁ : MIN. MEAN G ₁ : MEAN	26-(6.5+3) =16.5 26-(6.5+12)= 7.5 26-(6.5+7.5)=12.0	63.5 29.0 46.0	<u>46</u>	12.0 26.0	

^{*} This value is taken as equal to the generation time (GT) on the assumption that all cells are participating in log-phase growth.

TABLE II. ESTIMATION OF STAGES IN THE GENERATION TIME OF HeLa CELLS IN LOG-PHASE GROWTH, WITH OR WITHOUT INFECTION BY ORNITHOSIS VIRUS

1	CONTROL CELL		INFECTED CELL SERIES					
	HRS.	SERIES PERCENT	HRS.	PERCENT	HRS.	PERCENT	MEAN HOURS	
% LABELED AT ZERO HOUR		28.5		31.5		21.5		
% LABELED AT 18 HOURS		97.0		67.5		60.0		
% CHANGE IN 18 HOURS		68.5		36.0		38.5		
% CHANGE PER HOUR		3.8		2.0		2.1	130	
GENERATION TIME (GT) BASED ON % CHANGE PER HOUR	26.3		50.0	1	46.8		48.4	
DNA SYNTHESIS(S) FROM % LABELED AT ZERO HOUR	7.5	28.5	15.7	31.5	10.0	21.5	12.9	