

SECRETION OF ABNORMAL MILK BY QUARTERS FREE FROM KNOWN PATHOGENS

COW 7912 (2).

Days after Calving.	Right Fore.							Right Hind.						
	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.
THIRD LACTATION.														
32.....	8.40	4.28	.116	4.48	2.60	—	300	8.52	4.23	.086	4.76	1.81	—	200
60.....	8.46	4.03	.162	4.38	3.70	4,260	600	8.71	4.36	.101	4.86	2.08	1,225	100
88.....	8.52	4.07	.187	—	—	20,473	1,000	8.49	4.25	.152	4.67	3.25	1,663	150
116.....	8.58	3.82	.182	4.00	4.56	—	1,000	8.79	3.82	.137	4.57	2.99	—	100
144.....	8.46	4.52	.182	3.33	5.47	10,916	2,000	8.46	4.48	.132	4.19	3.14	1,272	10
172.....	8.36	4.74	.152	4.38	3.47	7,574	2,000	8.67	4.70	.162	4.76	3.40	337	10
200.....	8.39	4.25	.177	4.38	4.05	5,201	—	8.60	4.65	.137	4.95	2.76	746	—
228.....	8.51	3.91	.152	4.29	3.54	5,914	—	8.79	4.33	.106	4.76	2.23	663	—
256.....	8.54	4.06	.116	4.48	2.60	6,550	—	8.50	4.85	.081	5.71	1.42	429	—
284.....	8.49	4.06	.137	4.00	3.42	13,195	—	8.65	4.23	.101	4.48	2.26	840	—
AVERAGE.....	8.47	4.15	.156	4.19	3.71	9,231	1,150	8.59	4.34	.120	4.77	2.53	897	95
FOURTH LACTATION.														
32.....	8.86	3.77	.157	4.86	3.23	4,497	2,000	9.00	3.78	.101	5.14	1.96	663	10
60.....	8.22	3.81	.152	—	—	2,201	4,000	8.39	4.09	.127	4.57	2.78	3,006	160
88.....	8.49	4.05	.187	3.81	4.91	5,018	1,000	8.18	2.96	.147	4.76	3.09	840	500
116.....	8.46	3.34	.167	4.19	3.99	3,923	50,000	8.52	3.50	.111	5.05	2.20	1,231	100
144.....	8.45	3.23	.172	3.91	4.40	1,024	—	8.15	3.04	.122	4.67	2.61	633	—
172.....	8.55	3.63	.162	3.53	4.59	1,136	—	8.09	3.20	.137	4.76	2.88	456	—
200.....	7.91	3.30	.208	3.63	5.73	6,035	400	8.22	3.77	.172	4.57	3.76	669	400
228.....	7.57	3.69	.167	3.91	4.27	4,195	—	8.27	4.48	.116	4.29	2.70	533	—
256.....	8.53	3.80	.263	3.24	8.12	—	—	8.81	3.65	.137	4.67	2.93	—	—
284.....	8.65	4.13	—	—	—	—	—	8.66	3.13	—	—	—	—	—
AVERAGE.....	8.37	3.71	.182	3.88	4.91	3,504	11,480	8.42	3.53	.130	4.72	2.77	1,004	234

205-206b



912 (2).

Left Fore.							Left Hind.						
Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.
8·47	5·29	·091	5·05	1·80	—	500	8·56	4·56	·071	4·95	1·43	—	80
8·29	3·70	·127	5·05	2·51	1,006	300	8·78	4·32	·137	4·38	3·12	5,935	100
8·72	4·04	·137	4·76	2·87	1,438	50	8·55	4·01	·152	4·29	3·54	3,710	150
8·62	4·01	·152	4·48	3·39	728	700	8·34	3·53	·137	4·57	2·99	—	100
8·60	4·21	·137	4·38	3·12	1,598	800	8·81	4·50	·137	3·91	3·50	9,290	50
8·24	4·65	·132	4·57	2·88	423	2,000	8·35	4·49	·122	4·67	2·60	5	0
8·46	4·58	·182	4·29	4·25	202	—	8·91	4·97	·127	4·95	2·56	29	—
8·73	4·20	·132	4·76	2·77	870	—	8·96	4·56	·111	4·57	2·44	432	—
8·70	4·37	·122	4·86	2·50	515	—	8·53	3·69	·101	4·95	2·15	435	—
8·63	4·11	·122	4·57	2·66	4,396	—	8·64	4·04	·096	4·95	1·94	420	—
8·54	4·30	·133	4·68	2·88	1,242	725	8·63	4·23	·120	4·62	2·63	2,532	80
8·82	3·49	·127	4·86	2·61	1,515	1,000	9·58	4·43	·106	5·24	2·02	53	10
8·54	3·99	·152	4·45	3·42	5,722	380	8·45	4·35	·127	4·67	2·72	1,225	430
8·14	2·90	·132	4·86	2·72	645	1,500	8·30	3·05	·147	4·76	3·09	336	1,000
8·35	3·08	·122	5·14	2·37	1,071	50	8·41	3·09	·132	4·95	2·67	610	40
7·72	3·23	·147	5·05	2·91	752	—	8·15	2·77	·122	4·86	2·51	462	—
8·70	4·31	·116	4·67	2·48	1,006	—	8·24	3·96	·116	4·76	2·44	154	—
8·15	3·33	·132	4·76	2·77	929	2,000	8·31	3·57	·152	4·67	3·25	823	30
8·06	4·55	·106	4·76	2·23	468	—	8·29	4·24	·157	4·86	3·23	166	—
8·80	3·63	·081	4·76	1·70	—	—	8·69	3·68	·162	4·95	3·27	—	—
8·68	3·88	—	—	—	—	—	8·93	4·47	—	—	—	—	—
8·40	3·60	·123	4·70	2·58	1,512	986	8·54	3·68	·136	4·86	2·80	479	302

← 205-206a

205-206b

SECRETION OF ABNORMAL MILK BY QUARTERS FREE FROM KNOWN PATHOGENS

COW 7913 (1).

Days after Calving.	Right Fore.							Right Hind.						
	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.)	Bacteria.	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.)	Bacteria.
FIRST LACTATION.														
32.....	8.70	4.45	—	—	—	—	—	8.50	3.96	—	—	—	—	—
60.....	8.72	3.54	.127	4.57	2.77	—	10	8.91	2.64	.116	5.52	2.11	—	10
88.....	8.57	3.97	.076	4.95	1.55	—	10	8.62	3.69	.061	5.05	1.20	—	20
116.....	8.73	4.01	.111	4.57	2.44	—	30	8.90	4.22	.086	4.85	1.78	—	—
144.....	8.71	3.93	.106	4.95	2.15	—	3	8.80	4.20	.106	5.33	1.99	—	50
172.....	8.70	4.25	.167	—	—	2,438	40	8.57	4.37	.116	5.33	2.19	1,893	0
200.....	8.52	4.25	.172	3.43	5.02	1,680	30	8.57	4.35	.132	5.24	2.51	568	100
228.....	8.38	4.35	.145	5.01	2.93	79	—	8.54	4.31	.086	5.24	1.64	272	0
256.....	8.69	4.12	.147	4.86	3.02	112	10	8.70	3.92	.152	4.38	3.47	757	50
284.....	8.51	4.99	.137	4.57	2.99	402	20	8.72	4.72	.142	3.81	3.72	1,006	—
AVERAGE.....	8.64	4.12	.132	4.61	2.86	942	21	8.68	4.13	.111	4.97	2.29	899	33
SECOND LACTATION.														
32.....	8.89	3.54	.096	—	—	9	—	8.89	3.66	.056	—	—	12	—
60.....	8.75	3.48	.121	5.52	2.20	314	0	8.84	3.73	.101	5.24	1.93	77	0
88.....	8.65	4.03	.142	4.57	3.10	426	7,000	8.64	3.93	.132	4.57	2.88	9	300
116.....	8.53	4.22	.127	4.57	2.77	278	—	8.64	4.22	.101	4.76	2.13	47	150
144.....	8.57	4.10	.132	4.76	2.76	130	100	8.66	4.28	.137	4.95	2.76	18	0
172.....	8.85	4.55	.177	4.86	3.65	361	1,000	8.89	4.52	.142	4.86	2.92	47	10
200.....	8.72	4.81	.137	4.86	2.81	320	1,000	8.95	4.18	.147	5.05	2.91	53	—
228.....	8.83	4.79	.177	4.57	3.88	124	3,000	8.92	4.88	.162	4.86	3.33	47	1,000
256.....	8.94	4.98	.132	4.86	2.71	107	300	9.01	5.16	.127	5.33	2.38	183	200
284.....	9.11	4.97	.132	4.76	2.77	485	1,000	9.12	4.95	.122	4.38	2.77	1,018	200
AVERAGE.....	8.77	4.09	.137	4.81	2.96	255	1,682	8.83	4.26	.123	4.89	2.67	151	233

207-208b



913 (1).

Left Fore.							Left Hind.						
Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.)	Bacteria.	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.)	Bacteria.
8·80	3·87	—	—	—	—	—	8·52	4·01	—	—	—	—	—
8·83	4·08	·122	5·14	2·37	—	10	8·66	4·06	·132	5·24	2·51	—	20
8·80	4·26	·066	5·53	1·24	—	20	8·66	3·95	·061	5·05	1·20	—	0
8·90	4·18	·091	5·23	1·74	—	—	8·80	3·99	·127	4·67	2·27	—	—
8·77	3·94	·111	5·05	2·21	—	40	8·66	4·29	·122	4·57	2·66	—	150
8·66	4·29	·142	4·76	2·98	1,124	340	8·62	4·70	·137	—	—	260	50
8·23	3·99	·234	—	—	8,225	180	8·68	4·65	·137	3·63	3·77	70	100
8·40	4·41	·106	4·48	2·37	124	0	8·69	4·31	·091	4·95	1·84	65	20
8·70	4·06	·137	4·67	2·93	59	0	8·78	4·10	·116	4·67	2·49	53	10
8·70	4·52	·147	4·19	3·51	343	—	8·67	4·19	·162	3·81	4·25	808	—
8·56	4·13	·129	4·86	1·94	1,975	84	8·66	4·19	·121	4·57	2·69	251	50
8·79	3·65	·056	—	—	41	—	8·33	3·01	·162	—	—	287	—
8·63	3·50	·132	4·67	2·82	1,012	1,000	8·77	3·54	·132	4·76	2·77	136	250
8·62	4·00	·177	4·86	3·65	550	10,000	8·51	3·87	·196	3·81	5·16	2,615	1,200
8·47	4·19	·127	4·86	2·60	160	1,500	8·14	3·99	·162	4·29	3·78	462	7,000
8·43	4·18	·137	4·76	2·87	41	5,000	8·26	4·22	·192	3·71	5·19	423	2,000
8·75	4·60	·152	4·57	3·32	497	2,000	8·54	4·56	·203	—	—	1,225	2,500
8·78	4·79	·167	4·76	3·51	136	500	8·49	4·53	·203	4·18	4·85	2,030	1,000
8·85	4·78	·152	4·86	3·13	27	3,500	8·52	4·40	·187	4·57	4·10	793	1,000
9·11	5·23	·142	5·05	2·81	337	1,000	8·87	4·86	·157	4·57	3·44	1,680	1,000
9·21	4·96	·147	—	—	716	2,000	9·12	4·74	·137	—	—	2,420	1,500
8·72	4·11	·139	4·80	3·09	352	2,944	8·51	3·89	·173	4·27	4·18	1,207	1,500

← 207-208a

207-208b

SECRETION OF ABNORMAL MILK BY QUARTERS FREE FROM KNOWN PATHOGENS

COW 7913 (2).

Days after Calving.	Right Fore.							Right Hind.						
	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.
THIRD LACTATION.														
32.....	9.19	4.39	.096	5.05	1.91	—	—	9.25	4.15	.096	4.95	1.94	—	—
60.....	8.56	3.56	.116	4.95	2.35	1,260	500	8.88	3.94	.096	4.86	1.98	95	1,500
88.....	8.56	3.34	.152	4.57	3.32	645	—	8.93	3.76	.122	4.95	2.46	107	200
116.....	8.44	3.73	.142	4.76	2.98	775	1,000	8.65	3.96	.122	5.05	2.41	1,077	800
144.....	8.41	4.09	.127	4.00	3.15	438	1,500	8.66	4.26	.132	4.57	2.88	2,852	1,000
172.....	8.67	4.27	.142	3.81	3.72	1,225	1,500	8.75	4.08	.132	4.57	2.88	965	1,000
200.....	8.55	4.27	.177	4.86	3.65	1,994	—	8.75	4.10	.152	4.95	3.07	1,828	—
228.....	8.61	4.21	.106	4.48	2.37	450	—	8.58	4.10	.101	4.76	2.13	1,396	—
256.....	8.55	4.16	.111	4.67	2.39	320	—	8.72	4.70	.101	5.05	2.01	4,293	—
284.....	8.58	4.49	.127	4.29	2.95	556	—	8.63	4.85	.101	4.76	2.13	1,857	—
AVERAGE.....	8.55	3.93	.130	4.54	2.88	851	1,125	8.83	4.13	.116	4.85	2.39	1,608	900
FOURTH LACTATION.														
32.....	8.94	3.20	—	—	—	—	—	8.95	3.59	—	—	—	—	—
60.....	8.34	4.17	.142	4.19	3.39	497	2,000	8.50	3.97	.147	4.86	2.47	1,556	1,000
88.....	8.38	4.12	.142	4.19	3.39	—	1,200	8.24	3.90	.157	—	—	—	8,000
116.....	8.56	4.22	.132	4.57	2.89	757	3,000	8.51	3.74	.142	5.01	2.83	2,180	1,500
144.....	8.20	3.25	.147	4.48	3.28	1,377	—	8.50	3.43	.152	4.57	3.33	2,414	—
172.....	8.60	3.71	.127	4.67	2.72	1,816	—	8.31	3.54	.111	4.86	2.28	4,109	—
200.....	8.18	3.75	.152	4.86	3.13	325	—	8.37	3.45	.106	4.76	2.33	1,225	—
228.....	8.25	3.87	.106	4.67	2.27	823	4,000	8.42	4.09	.162	4.76	3.40	1,935	4,000
256.....	8.60	3.48	.137	5.05	2.71	997	—	8.76	3.38	.177	3.91	4.53	2,556	—
284.....	8.54	3.38	.208	3.91	5.32	—	—	8.73	3.80	.091	4.48	2.03	—	—
AVERAGE.....	8.51	3.70	.144	4.51	3.23	942	2,550	8.55	3.68	.138	4.65	2.89	2,282	3,625



Left Fore.							Left Hind.						
Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.
9·10	3·86	·076	5·05	1·50	—	10	8·84	3·74	·101	4·76	2·13	—	2,000
8·70	3·63	·101	4·95	2·05	47	—	8·76	3·74	·111	5·05	2·21	1,142	—
8·89	4·54	·111	5·14	2·17	47	100	8·55	3·08	·132	4·67	2·82	1,402	2,000
8·65	3·85	·101	5·14	1·97	65	50	8·63	3·42	·152	4·67	3·25	2,379	500
8·59	4·43	·137	4·67	2·93	479	1,500	8·56	4·06	·106	4·10	2·59	1,178	2,000
8·73	4·54	—	—	—	1,467	1,000	8·62	4·21	·172	4·38	3·93	2,728	3,000
8·75	4·61	·137	4·76	2·87	1,630	—	8·64	4·32	·172	4·76	3·62	3,331	—
8·70	3·44	·122	4·86	2·50	822	—	8·69	4·09	·127	4·38	2·89	6,497	—
8·61	3·89	·106	4·76	2·23	580	—	8·58	4·49	·096	4·29	2·24	2,222	—
9·08	4·69	·111	4·19	2·66	1,462	—	8·71	4·83	·142	4·76	2·95	7,515	—
8·81	4·09	·111	4·84	2·32	667	332	8·68	3·84	·132	4·58	2·86	3,153	1,900
8·90	3·21	—	—	—	—	—	8·76	3·34	—	—	—	—	—
8·35	3·33	·116	4·67	2·48	515	0	8·63	4·14	·137	4·57	2·99	2,201	1,000
8·28	3·61	·147	4·95	2·97	—	360	8·40	3·26	·137	—	—	—	50,000
8·18	3·35	·111	5·14	2·16	444	2,000	8·37	3·49	·162	4·48	3·62	1,231	1,500
8·34	3·94	·137	4·38	3·13	899	—	8·31	3·19	·218	4·19	5·20	2,805	—
8·49	3·59	·137	4·76	2·88	580	—	8·44	3·54	·142	4·48	3·17	1,675	—
8·45	3·43	·162	4·51	3·59	457	—	8·28	3·39	·157	4·48	3·50	1,520	—
8·48	4·12	·147	4·86	2·47	1,170	3,000	8·17	4·00	·188	—	—	2,012	3,000
8·88	3·95	·132	4·48	2·95	337	—	8·59	3·45	·167	4·29	3·89	1,817	—
8·93	4·85	·116	4·67	2·48	—	—	8·50	3·47	·137	4·48	3·06	—	—
8·54	3·67	·134	4·71	2·79	629	1,340	8·49	3·52	·161	4·42	3·63	1,894	13,875

SECRETION OF ABNORMAL MILK BY QUARTERS FREE FROM KNOWN PATHOGENS

COW 7914 (1).

Days after Calving.	Right Fore.							Right Hind.						
	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.
FIRST LACTATION.														
32.....	8.70	3.69	—	—	—	—	—	8.94	3.99	—	—	—	—	—
60.....	8.92	3.62	.111	5.33	2.09	—	10	8.86	3.57	.116	4.57	2.55	—	10
88.....	8.86	4.54	.056	5.52	1.01	—	80	8.97	3.49	.051	5.90	0.86	—	20
116.....	9.19	4.57	.066	5.14	1.28	—	0	9.23	4.23	.081	5.52	1.47	—	80
144.....	8.88	4.52	.086	5.24	1.64	—	—	8.99	4.54	.091	4.48	2.04	—	20
172.....	9.02	4.66	.091	5.52	1.66	710	70	9.41	4.89	.096	4.76	2.02	—	0
200.....	8.89	4.67	.096	5.05	1.91	130	0	8.98	4.93	.086	5.24	1.64	148	20
228.....	8.76	4.84	.111	4.67	2.39	166	10	8.78	5.27	.101	5.25	2.01	136	—
256.....	9.42	4.89	.127	—	—	491	0	9.40	4.95	.122	4.86	2.50	686	60
284.....	9.42	5.34	.162	—	—	846	10	9.45	5.51	.172	—	—	272	30
AVERAGE.....	8.97	4.42	.101	5.21	1.71	469	22	9.08	4.39	.102	5.05	1.88	311	30
SECOND LACTATION.														
32.....	9.11	4.02	.111	4.86	2.29	545	—	9.04	4.59	.122	4.76	2.55	947	—
60.....	8.94	4.80	.101	5.71	1.77	183	—	8.97	4.68	.076	5.62	1.35	107	—
88.....	9.43	4.63	.101	5.33	1.90	604	—	9.49	4.56	.101	5.52	1.83	1,864	—
116.....	9.72	4.49	.142	5.24	2.71	846	—	9.74	4.70	.111	5.33	2.09	225	—
144.....	9.14	4.46	.106	5.05	2.11	278	—	9.21	4.48	.111	5.14	2.17	47	—
172.....	9.01	3.99	.157	4.29	3.66	793	—	8.99	4.37	.132	4.76	2.77	396	—
200.....	8.91	4.76	.139	5.05	2.75	568	100	8.98	5.01	.116	4.67	2.49	396	100
228.....	9.00	4.92	.162	—	—	262	1,500	9.06	5.14	.152	—	—	154	—
256.....	9.65	6.14	—	—	—	—	—	9.72	6.22	—	—	—	—	—
284.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
AVERAGE.....	9.19	4.55	.127	5.08	2.46	511	800	9.22	4.77	.115	5.14	2.18	517	100

211-212b



914 (1).

Left Fore.							Left Hind.						
Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.
8.85	3.87	—	—	—	—	—	8.90	4.09	—	—	—	—	—
9.08	3.72	.111	5.62	1.98	—	10	8.91	3.90	.111	5.05	2.21	—	30
8.93	2.87	.061	5.71	1.06	—	20	8.94	4.12	.051	5.62	0.90	—	40
9.12	4.56	.101	5.43	1.87	—	0	9.11	4.41	.071	5.52	1.28	—	20
9.03	4.59	.101	5.33	1.90	—	90	8.94	4.29	.081	5.14	1.58	—	—
9.19	4.69	.081	5.05	1.60	—	20	9.24	4.83	.081	5.14	1.58	—	40
8.85	4.71	.086	4.76	1.81	9	50	9.10	3.70	.091	4.76	1.92	36	70
8.87	4.29	.106	5.24	2.03	59	0	9.05	5.34	.096	5.24	1.84	107	110
9.55	5.04	.127	—	—	426	10	9.37	5.30	.106	4.86	2.19	373	160
9.48	5.63	.177	—	—	201	—	9.52	5.66	.162	—	—	385	—
9.07	4.42	.106	5.31	1.75	174	25	9.08	4.51	.094	5.17	1.69	225	67
9.08	4.01	.086	5.05	1.70	107	—	9.08	4.30	.111	5.24	2.13	402	—
8.93	4.28	.076	5.81	1.31	24	—	8.96	4.73	.086	5.90	1.46	154	—
9.45	4.59	.106	5.62	1.89	710	—	9.56	4.70	.091	5.43	1.68	379	—
9.66	4.81	.091	5.24	1.74	1,065	—	9.63	4.79	.086	5.33	1.62	314	—
9.18	4.44	.101	5.14	1.97	83	—	9.22	4.57	.091	5.24	1.74	101	—
8.98	4.34	.137	5.86	2.81	—	—	9.04	4.52	.137	4.86	2.81	—	—
8.89	4.95	.116	4.57	2.55	698	500	8.93	5.05	.122	4.76	2.55	53	500
8.93	5.04	.156	—	—	219	4,000	9.04	5.17	.156	—	—	379	1,500
9.57	5.89	—	—	—	—	—	9.66	6.29	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—
9.17	4.57	.109	5.18	1.85	415	2,250	9.22	4.79	.110	5.25	1.86	255	1,000

← 211-212a

211-212b

SECRETION OF ABNORMAL MILK BY QUARTERS FREE FROM KNOWN PATHOGENS

COW 7914 (2).

Days after Calving.	Right Fore.							Right Hind.						
	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.
THIRD LACTATION.														
32.....	8·91	4·20	·142	4·48	3·17	4,083	700	8·87	4·08	·142	4·76	2·98	5,095	500
60.....	8·83	3·91	·111	4·76	2·34	2,148	600	8·82	4·21	·096	5·24	1·84	834	700
88.....	8·97	3·74	·137	4·95	2·76	870	700	8·97	4·66	·127	4·86	2·60	1,314	600
116.....	8·91	4·00	·137	4·76	2·87	396	1,000	8·92	4·11	·127	4·76	2·66	604	500
144.....	8·74	4·04	·106	4·86	2·19	—	500	8·65	4·40	·081	4·76	1·70	—	200
172.....	8·70	4·59	·142	4·29	3·31	917	200	8·77	4·83	·137	4·76	2·87	467	500
200.....	9·14	3·54	·152	4·86	3·13	1,083	500	9·11	4·50	·142	4·57	3·10	1,757	500
228.....	8·92	4·48	·152	4·38	3·47	527	500	9·13	4·64	·142	4·67	3·04	982	500
256.....	9·12	5·14	·152	—	—	479	500	9·19	5·05	·137	4·48	3·05	195	1,500
284.....	9·23	5·29	·182	4·29	4·25	586	1,000	9·26	5·51	·192	—	—	544	800
AVERAGE.....	8·92	4·26	·141	4·63	3·05	1,232	620	8·94	4·53	·132	4·76	2·65	1,310	630
FOURTH LACTATION.														
32.....	8·48	4·21	·152	4·95	3·07	2,021	—	8·54	4·44	·061	4·76	1·28	645	—
60.....	8·80	3·91	·111	4·95	2·24	1,083	—	8·63	3·71	·081	4·76	1·70	503	—
88.....	9·07	3·64	·111	5·14	2·16	1,935	—	9·06	3·99	·081	5·14	1·58	1,256	—
116.....	9·09	4·15	·086	4·86	1·77	1,154	2,250	9·11	4·38	·091	4·76	1·91	2,604	1,500
144.....	9·10	4·00	·127	5·05	2·51	1,606	—	8·96	3·90	·106	4·86	2·18	793	—
172.....	8·52	4·14	·127	4·95	2·56	663	800	8·77	4·30	·132	4·67	2·83	2,521	1,000
200.....	8·76	4·23	·157	—	—	—	—	8·53	3·84	·162	—	—	—	—
228.....	8·67	4·71	·182	4·48	4·06	810	—	8·41	3·79	·208	4·29	4·84	1,154	—
256.....	8·93	3·50	·213	—	—	1,657	—	8·59	3·32	·197	4·67	4·22	675	—
284.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
AVERAGE.....	8·85	4·04	·141	4·91	2·62	1,366	1,525	8·77	4·01	·124	4·74	2·57	1,270	1,250

213-214b →

Left Fore.							Left Hind.						
Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.
8.90	4.05	.127	4.76	2.66	905	3,000	8.87	4.11	.127	5.05	2.51	462	1,000
8.90	4.23	.116	4.86	2.40	645	200	8.60	4.04	.106	4.95	2.15	462	250
8.86	4.46	.132	4.95	2.66	615	600	9.00	4.52	.122	5.05	2.41	456	1,000
8.84	3.88	.106	4.76	2.23	633	1,000	8.89	4.47	.106	4.76	2.23	142	500
8.76	3.84	.096	4.86	1.98	—	500	8.55	4.22	.086	4.76	1.81	—	300
8.81	5.21	.142	4.57	3.10	432	300	8.82	5.39	.137	4.67	2.93	846	200
9.07	4.85	.127	4.76	2.66	1,030	500	9.20	4.59	.127	4.86	2.60	1,325	500
9.11	4.62	.147	4.76	3.09	266	800	9.13	4.52	.142	5.05	2.81	337	500
9.27	4.70	.152	4.38	3.47	260	1,000	9.27	5.01	.147	4.76	3.09	550	600
9.22	5.38	.172	4.19	4.11	1,015	500	9.36	6.00	—	—	—	645	500
8.93	4.41	.132	4.69	2.84	645	840	8.94	4.58	.122	4.88	2.50	581	535
8.48	4.51	.147	4.57	3.22	1,935	—	8.56	4.62	.076	4.95	1.54	408	—
8.63	3.46	.122	4.38	2.77	6,450	—	8.70	3.65	.071	4.95	1.43	1,030	—
8.95	3.92	.116	4.95	2.34	1,461	—	8.92	3.64	.086	5.43	1.58	869	—
9.06	3.72	.106	4.95	2.16	2,024	3,000	9.04	3.72	.091	5.14	1.77	2,784	1,500
9.42	4.25	.106	4.95	2.16	544	—	9.08	4.32	.116	5.14	2.26	1,588	—
8.52	4.15	.122	4.86	2.51	420	500	8.83	4.47	.122	4.76	2.56	5,976	1,000
8.65	3.88	.132	—	—	—	—	8.70	3.64	.162	—	—	—	—
8.56	3.44	.172	4.59	2.53	—	500	8.56	3.64	.147	4.95	2.97	—	—
8.92	4.35	.192	—	—	544	—	8.48	3.85	.203	—	—	1,267	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—
8.80	3.97	.135	4.75	2.67	1,911	1,333	8.80	3.96	.119	5.05	2.02	1,989	1,250

SECRETION OF ABNORMAL MILK BY QUARTERS FREE FROM KNOWN PATHOGENS

COW 7919 (1).

Days after Calving.	Right Fore.							Right Hind.						
	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.)	Bacteria.	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.)	Bacteria.
FIRST LACTATION.														
32.....	9.03	4.34	—	—	—	—	0	9.03	4.41	—	—	—	—	—
60.....	8.58	3.63	.142	5.71	2.48	—	0	8.79	3.76	.127	5.24	2.42	—	0
88.....	8.50	4.31	.096	5.24	1.84	—	370	8.58	4.03	.137	4.95	2.76	—	50
116.....	8.57	3.72	.132	5.25	2.61	—	0	8.75	4.06	.101	4.95	2.05	—	50
144.....	8.19	2.71	.213	4.10	5.19	—	—	8.73	4.24	.106	—	—	—	50
172.....	8.19	4.28	.101	4.57	2.22	—	20	8.98	4.41	.066	4.76	1.38	130	0
200.....	8.54	4.47	.137	—	—	118	—	8.68	4.66	.111	4.67	2.39	24	—
228.....	8.52	4.49	.218	—	—	—	50	8.56	4.83	.127	4.95	2.56	47	60
256.....	9.24	4.96	.213	—	—	965	0	9.15	5.14	.117	4.95	2.35	183	0
284.....	9.28	4.17	—	—	—	—	—	9.38	5.52	—	—	—	—	—
AVERAGE.....	8.67	4.08	.156	4.93	2.87	542	63	8.85	4.38	.111	4.92	2.27	96	30
SECOND LACTATION.														
32.....	9.39	4.18	.157	4.76	3.30	53	—	9.29	4.48	.172	4.38	3.93	550	—
60.....	8.55	4.34	—	—	—	—	—	8.50	3.81	—	—	—	—	—
88.....	8.48	3.96	.116	4.95	2.35	77	—	8.42	3.68	.141	4.76	3.48	426	—
116.....	8.56	3.63	.142	5.33	2.66	414	—	8.47	3.63	.162	—	—	799	—
144.....	8.66	4.04	.106	5.05	2.11	195	—	8.52	3.93	.167	4.57	3.66	1,231	—
172.....	9.28	3.93	.127	4.86	2.60	112	—	9.00	4.11	.177	—	—	1,811	—
200.....	9.61	4.61	—	—	—	—	—	9.49	4.38	—	—	—	—	—
228.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
256.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
284.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
AVERAGE.....	8.92	4.09	.130	4.99	2.60	170	—	8.77	4.00	.164	4.57	3.69	963	—

215-216b



1919 (1).

Left Fore.							Left Hind.						
Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.
8.99	4.23	—	—	—	—	—	8.82	4.24	—	—	—	—	—
8.65	3.46	.147	5.24	2.80	—	40	8.75	3.95	.137	5.14	2.66	—	280
8.76	4.51	.096	5.43	1.77	—	20	8.67	4.21	.091	5.24	1.74	—	30
8.61	4.27	.137	4.76	2.82	—	0	8.68	4.43	.101	5.33	1.90	—	0
8.23	3.37	.218	3.63	6.00	—	—	8.51	3.90	.127	—	—	—	—
8.04	3.86	.086	4.67	1.84	533	200	8.83	4.46	.091	4.48	2.04	59	10
8.15	4.35	.147	—	—	101	—	8.89	4.43	.096	5.05	1.91	30	—
9.69	4.19	.238	—	—	—	0	8.88	4.58	.106	4.76	2.23	36	0
8.88	4.88	.167	—	—	—	0	9.22	4.97	.111	5.24	2.13	189	0
9.40	4.51	—	—	—	—	—	9.32	5.30	—	—	—	—	—
8.73	4.09	.155	4.75	3.06	317	45	8.79	4.36	.108	5.03	2.09	79	53
9.41	4.36	.152	4.57	3.32	112	—	9.32	4.10	.152	4.95	3.07	36	—
8.57	4.01	—	—	—	—	—	8.65	3.13	—	—	—	—	—
8.44	3.97	.137	4.76	2.87	41	—	8.63	3.68	.132	5.14	2.56	83	—
8.47	3.61	.147	—	—	550	—	8.79	3.73	.122	4.57	2.66	71	—
8.64	4.04	.157	4.76	3.30	207	—	8.82	3.99	.111	5.43	2.05	36	—
9.23	3.95	.162	4.29	3.78	77	—	9.61	4.14	.136	—	—	47	—
9.35	4.51	—	—	—	—	—	9.70	4.56	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—
8.87	4.04	.151	4.60	3.32	195	—	9.02	3.93	.131	5.02	2.59	55	—

← 215-216a

215-216b

SECRETION OF ABNORMAL MILK BY QUARTERS FREE FROM KNOWN PATHOGENS

COW 7919 (2).

Days after Calving.	Right Fore.							Right Hind.						
	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.
THIRD LACTATION.														
32.....	8.80	4.80	.122	5.14	2.36	331	500	8.67	5.35	.091	5.33	1.71	165	200
60.....	8.35	3.83	.243	4.76	5.11	130	100	8.42	4.01	.132	5.14	2.56	101	100
88.....	8.42	3.78	.147	4.29	3.42	266	200	8.40	3.85	.162	4.76	3.40	544	300
116.....	8.25	3.44	.142	4.48	3.17	166	50	8.27	3.64	.152	4.57	3.32	290	—
144.....	8.53	3.68	.187	4.76	3.94	142	70	8.53	3.64	.152	4.66	3.26	18	20
172.....	8.52	3.81	.157	4.57	3.44	142	100	8.60	3.89	.157	4.76	3.30	112	0
200.....	8.67	4.05	.157	4.76	3.29	166	0	8.77	4.37	.142	4.95	2.86	201	10
228.....	8.84	4.25	.137	4.57	2.99	77	0	8.80	4.40	.122	4.76	2.55	320	0
256.....	8.97	4.04	.101	4.95	2.05	172	—	9.04	4.38	.051	4.86	1.04	154	—
284.....	8.59	4.01	.157	4.70	3.31	177	130	8.61	4.23	.132	4.78	2.81	212	94
AVERAGE.....	8.59	4.01	.157	4.70	3.31	177	130	8.61	4.23	.132	4.78	2.81	212	94
FOURTH LACTATION.														
32.....	9.02	3.82	.137	4.95	2.77	1,047	2,000	9.12	4.42	.101	5.14	1.96	136	500
60.....	8.41	3.75	.137	4.76	2.88	207	300	8.41	3.95	.127	4.67	2.74	154	500
88.....	8.59	3.70	.132	4.67	2.83	172	100	8.57	3.95	.142	4.76	2.98	53	120
116.....	8.51	3.91	.122	4.76	2.56	225	—	8.59	3.82	.157	4.76	3.30	272	—
144.....	8.39	3.95	.096	4.57	2.10	870	—	8.74	4.14	.101	4.86	2.08	337	—
172.....	8.62	3.32	.091	5.05	1.80	314	—	8.68	3.98	.116	5.05	2.30	412	—
200.....	8.99	4.48	.137	4.57	3.00	154	—	8.86	4.42	.106	4.95	2.16	627	—
228.....	8.47	3.64	—	—	—	—	—	8.22	3.65	—	—	—	—	—
256.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
284.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
AVERAGE.....	8.63	3.80	.122	4.76	2.58	427	800	8.70	4.08	.121	4.88	2.50	284	373

217-218b →

Left Fore.							Left Hind.						
Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.)	Bacteria.	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.)	Bacteria.
8.49	4.88	.116	5.05	2.31	47	40	8.52	4.89	.116	5.52	2.11	65	80
8.25	3.70	.177	3.71	4.78	314	—	8.50	4.00	.147	4.76	3.09	124	1,000
8.24	3.56	.162	4.48	3.62	231	0	8.43	4.08	.142	5.05	2.81	160	0
7.95	3.62	.182	—	—	136	100	8.27	3.67	.147	—	—	53	75
8.27	3.72	.187	4.18	4.48	47	0	8.50	3.80	.157	4.66	3.37	65	0
8.44	3.79	.167	3.81	4.39	71	60	8.57	3.90	.142	4.57	3.10	130	20
8.61	4.36	.172	4.19	4.11	260	0	8.91	4.54	.137	4.86	2.81	77	200
8.54	4.46	.157	4.29	3.66	272	0	8.81	4.44	.122	4.95	2.46	107	20
8.87	4.01	.182	4.95	3.68	302	60	9.03	4.06	.096	4.95	1.94	53	2,000
9.00	3.44	.213	—	—	—	—	9.40	3.80	.177	—	—	—	—
8.38	4.11	.172	4.33	3.88	187	33	8.62	4.14	.138	4.92	2.71	93	376
9.10	3.78	.122	4.86	2.51	438	200	9.13	4.34	.096	5.24	1.83	183	200
8.37	3.68	.147	4.57	3.22	47	1,000	8.39	3.63	.122	4.86	2.51	112	20
8.62	3.86	.142	4.29	3.31	136	70	8.63	4.39	.127	5.14	2.47	112	500
8.31	3.69	.132	4.86	2.72	1,325	—	8.60	3.49	.122	4.86	2.51	219	—
8.35	3.58	.132	4.76	2.77	1,595	—	8.54	3.45	.132	4.86	2.72	752	—
8.53	3.66	.111	5.24	2.12	1,612	—	8.86	4.19	.091	5.24	1.74	1,237	—
8.71	4.33	.162	4.57	3.54	994	—	8.95	4.53	.101	4.76	2.12	935	—
8.43	3.81	—	—	—	—	—	8.89	3.80	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—
8.62	3.75	.135	4.74	2.88	878	423	8.72	3.96	.113	4.99	2.27	507	240

← 217-218a

SECRETION OF ABNORMAL MILK BY QUARTERS FREE FROM KNOWN PATHOGENS

COW 7921 (1).

Days after Calving.	Right Fore.							Right Hind.						
	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.
FIRST LACTATION.														
32.....	8.60	3.50	.142	—	—	—	50	8.62	3.60	.122	—	—	—	480
60.....	8.78	3.98	.111	4.66	2.39	—	300	8.64	3.70	.111	4.76	2.34	—	30
88.....	8.36	3.33	.132	4.76	2.77	—	320	8.46	3.94	.081	5.71	1.42	—	10
116.....	8.40	3.77	.096	4.95	1.94	—	—	8.62	4.11	.111	4.76	2.34	—	20
144.....	8.53	3.97	.086	4.38	1.97	—	0	8.70	4.43	.101	—	—	—	550
172.....	8.55	3.05	.122	—	—	—	30	8.44	3.13	.106	—	—	—	170
200.....	8.33	4.23	—	—	—	—	—	8.29	4.63	—	—	—	—	—
228.....	8.50	3.99	.096	4.57	2.11	296	20	8.28	3.86	.111	4.38	2.54	615	570
256.....	9.03	4.06	.147	4.29	3.42	627	—	8.46	4.12	.127	4.57	2.77	107	—
284.....	9.24	4.71	.147	4.57	3.21	373	—	8.58	4.93	.162	4.76	3.40	4,557	—
AVERAGE.....	8.59	3.79	.120	4.60	2.54	432	120	8.52	3.54	.115	4.82	2.47	1,760	261
SECOND LACTATION.														
32.....	8.87	3.49	.137	4.57	2.99	2,367	—	8.84	3.51	.157	4.67	3.36	3,787	—
60.....	8.49	3.39	.152	4.38	3.47	1,065	—	8.57	3.51	.137	4.67	2.93	1,497	—
88.....	8.10	3.15	—	—	—	—	—	8.15	3.55	—	—	—	—	—
116.....	7.88	3.26	.137	4.67	2.93	314	—	8.16	3.35	.147	4.57	3.21	107	—
144.....	7.97	3.26	.152	5.52	2.75	225	—	8.07	3.57	.162	4.76	3.40	1,112	—
172.....	8.04	3.37	.187	4.00	4.68	3,905	—	8.11	3.54	.157	4.10	3.83	1,917	—
200.....	8.64	3.22	.142	4.67	3.04	1,278	—	8.73	3.39	.172	4.48	3.84	5,444	—
228.....	8.93	3.45	.147	4.38	3.35	529	—	9.03	3.52	.142	3.91	3.63	3,787	—
256.....	8.77	3.70	.177	—	—	391	—	8.76	3.80	.157	4.29	3.66	818	—
284.....	8.92	4.16	—	—	—	—	—	8.79	4.20	—	—	—	—	—
AVERAGE.....	8.43	3.49	.154	4.60	3.32	1,259	—	8.47	3.54	.154	4.43	3.48	2,310	—

219-220b →

7921 (1).

Left Fore.							Left Hind.						
Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.
8.42	4.38	.111	—	—	—	10	8.70	3.70	.101	—	—	—	10
8.49	4.47	.111	4.14	2.69	—	20	8.81	3.81	.111	4.76	2.34	—	30
8.40	3.46	.116	4.86	2.40	—	10	8.56	2.92	.127	4.57	2.77	—	0
8.67	4.08	.076	—	—	—	10	8.61	4.09	.086	4.76	1.81	—	20
8.62	4.10	.106	4.38	2.43	—	0	8.63	4.38	.122	—	—	—	530
8.42	3.36	.147	—	—	—	50	8.39	3.31	.081	—	—	—	40
8.42	3.83	—	—	—	—	—	8.31	3.88	—	—	—	142	—
8.15	3.27	.106	4.00	2.66	379	30	8.31	3.81	.137	3.81	3.06	473	30
8.40	4.25	.122	4.48	2.71	509	—	8.36	4.12	.116	4.57	3.44	461	—
8.36	4.99	.147	4.48	3.28	846	—	8.32	4.99	.157	—	—	—	—
8.48	4.07	.116	4.39	2.70	578	19	8.53	3.82	.115	4.49	2.68	359	94

8.98	3.94	.132	4.76	2.77	1,024	—	8.90	3.67	.147	4.57	3.21	2,899	—
8.28	3.30	.172	3.91	4.40	1,234	—	8.65	3.43	.137	4.57	2.99	1,284	—
7.91	3.28	—	—	—	—	—	8.23	3.41	—	—	—	—	—
7.86	2.96	.197	3.81	5.18	1,105	—	8.08	3.13	.187	4.29	4.37	692	—
7.67	2.94	.192	4.10	4.69	1,420	—	8.13	3.44	.137	4.95	2.76	373	—
7.77	3.24	.213	3.91	5.44	455	—	8.23	3.52	.137	4.19	3.26	1,538	—
8.25	2.89	.172	4.29	4.01	3,024	—	8.82	3.40	.147	4.57	3.21	1,657	—
8.67	3.24	.142	—	—	1,124	—	9.01	3.56	.127	4.29	2.95	538	—
8.62	3.46	.192	—	—	2,189	—	8.73	3.68	.177	3.81	4.65	757	—
8.85	3.91	—	—	—	—	—	8.79	4.18	—	—	—	—	—
8.29	3.34	.177	4.13	4.42	1,447	—	8.55	3.50	.150	4.41	3.43	1,217	—

← 219-220a.

219-220b

SECRETION OF ABNORMAL MILK BY QUARTERS FREE FROM KNOWN PATHOGENS

COW 7921 (2).

Days after Calving.	Right Fore.							Right Hind.						
	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.
THIRD LACTATION.														
32.....	8.57	4.76	.147	4.57	3.21	1,621	1,500	8.29	4.84	.111	4.95	2.25	485	3,600
60.....	8.27	4.48	.127	4.76	2.77	195	9,000	8.08	4.29	.142	4.57	3.10	1,089	6,000
88.....	8.16	3.47	.132	4.48	2.94	1,728	750	8.03	3.42	.208	4.00	5.19	2,799	15,000
116.....	8.26	3.18	.187	4.29	4.37	1,615	1,000	7.93	3.12	.182	4.18	4.36	4,929	1,500
144.....	8.81	3.36	.182	3.90	4.67	1,899	2,000	8.07	3.44	.187	3.71	5.05	4,030	3,000
172.....	8.43	3.81	.147	4.38	3.35	2,195	500	8.27	3.38	.172	—	—	5,751	500
200.....	8.59	3.34	.122	4.29	2.83	947	2,000	8.48	3.29	.167	4.29	3.90	3,751	3,000
228.....	8.45	3.61	.152	—	—	3,331	—	8.42	3.89	.167	—	—	11,657	—
256.....	8.24	3.53	.152	4.76	3.19	—	1,000	8.15	3.42	.122	4.76	2.55	—	2,000
284.....	8.60	3.50	.152	4.57	3.32	—	500	8.59	3.46	.147	4.76	3.09	—	—
AVERAGE.....	8.40	3.74	.150	4.44	3.41	1,691	2,028	8.23	3.71	.161	4.40	3.69	4,311	4,325
FOURTH LACTATION.														
32.....	8.45	3.56	.142	4.48	3.17	574	10,000	8.39	3.65	.157	4.19	3.75	1,320	2,000
60.....	8.19	2.93	.142	4.48	3.17	426	2,000	8.08	3.06	.111	3.81	2.91	1,645	5,000
88.....	8.29	3.54	.162	4.29	3.78	1,030	—	8.02	3.24	.197	3.81	5.17	10,071	—
116.....	8.34	3.07	.152	4.57	3.32	2,065	—	8.36	3.28	.111	4.38	2.53	1,260	—
144.....	7.99	2.56	.177	3.81	4.65	911	—	7.95	2.71	.147	3.81	3.86	6,331	—
172.....	8.42	3.76	.147	4.76	3.09	3,432	—	8.29	3.95	.137	4.76	2.88	1,284	—
200.....	8.35	3.07	.086	4.38	1.96	1,935	—	8.63	3.04	.102	3.81	3.73	3,231	—
228.....	8.26	2.78	.106	4.86	2.18	4,577	—	8.20	2.34	.127	5.05	2.51	7,278	—
256.....	8.39	3.34	.152	4.29	3.54	4,625	15,000	8.22	2.98	.147	4.38	3.36	6,390	15,000
284.....	8.25	3.34	.152	4.19	3.63	6,348	—	8.22	3.29	.182	4.00	4.50	8,994	—
AVERAGE.....	8.29	3.19	.142	4.41	3.25	2,592	9,000	8.24	3.15	.146	4.20	3.52	4,780	7,333

221-222b



Left Fore.							Left Hind.						
Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.
8.22	4.37	.152	4.76	3.19	752	10,000	8.22	4.88	.111	4.76	2.34	1,905	2,400
7.85	3.96	.192	3.81	5.03	947	16,000	8.14	4.51	.162	4.76	3.40	314	1,400
7.88	3.31	.157	4.09	3.84	2,462	2,500	8.06	3.50	.137	4.57	2.99	828	5,000
7.79	2.90	.223	3.71	6.01	3,982	2,000	7.94	3.35	.177	4.38	4.05	1,208	1,500
7.95	3.36	.208	2.86	7.26	1,811	10,000	8.13	3.47	.187	3.90	4.80	3,325	2,500
8.05	3.49	.177	2.86	6.20	3,450	1,000	8.21	3.65	.137	4.19	3.26	1,817	2,000
8.29	3.56	.167	3.53	4.73	2,207	3,000	8.50	3.20	.142	4.29	3.31	2,249	2,000
8.22	3.44	.172	—	—	6,982	—	8.37	3.63	.137	—	—	1,183	—
7.97	3.43	.127	4.76	2.66	—	—	8.01	3.64	.137	4.76	2.87	—	—
8.50	3.65	.152	4.29	3.53	—	—	8.49	3.58	.132	5.33	2.47	—	—
8.09	3.58	.173	3.85	4.72	2,824	6,356	8.21	3.78	.146	4.55	3.28	1,604	2,350
8.59	3.80	.116	4.57	2.54	533	3,000	8.58	3.84	.127	4.57	2.78	278	800
8.06	3.08	.137	3.81	3.59	1,030	—	8.12	3.24	.137	4.29	3.19	1,822	10,000
7.95	3.49	.157	3.91	4.02	2,734	—	8.24	3.82	.122	4.48	2.72	3,379	—
8.33	3.42	.152	4.48	3.39	2,527	—	8.16	3.24	.122	4.38	2.78	2,586	—
8.54	2.81	.182	2.68	6.36	1,877	—	8.07	2.94	.172	3.14	5.48	4,290	—
8.25	3.99	.167	3.81	4.39	3,154	—	8.45	4.00	.132	4.29	3.10	1,728	—
8.17	2.05	.167	3.81	4.39	3,770	—	8.60	2.92	.127	4.67	2.72	1,639	—
8.05	2.79	.122	4.48	2.72	1,467	—	8.00	1.90	.147	4.57	3.22	1,361	—
8.23	2.98	.142	3.91	3.63	3,161	30,000	8.30	3.22	.152	4.48	3.39	7,337	15,000
8.09	2.37	.177	4.38	4.04	7,722	—	8.32	3.37	.162	4.38	3.70	4,470	—
8.24	3.15	.152	4.00	3.91	2,798	16,500	8.28	3.26	.140	4.33	3.31	2,889	8,600

SECRETION OF ABNORMAL MILK BY QUARTERS FREE FROM KNOWN PATHOGENS

COW 7922 (1).

Days after Calving.	Right Fore.							Right Hind.						
	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.
FIRST LACTATION.														
32.....	8.50	4.00	.066	—	—	—	100	8.90	4.30	.091	—	—	—	0
60.....	8.50	4.00	.116	5.33	2.19	—	50	8.90	4.31	.127	—	—	—	20
88.....	8.80	3.98	—	—	—	—	—	8.90	4.30	—	—	—	—	—
116.....	8.80	3.48	.106	4.86	2.19	—	180	9.60	4.23	.111	4.95	2.25	—	100
144.....	8.84	4.18	.056	5.33	1.05	—	10	8.96	4.22	.056	4.76	1.17	—	20
172.....	8.78	4.32	.111	4.76	2.34	—	0	9.03	4.75	.091	4.85	1.88	—	0
200.....	8.78	4.25	.127	4.95	2.56	—	—	8.82	4.53	.116	—	—	—	—
228.....	8.61	4.45	.086	4.95	1.74	497	20	8.67	4.26	.116	—	—	1,961	0
256.....	8.64	4.81	.132	3.91	3.37	—	—	8.70	4.66	.111	4.95	2.25	—	—
284.....	8.40	4.81	.116	5.05	2.31	2,272	—	8.68	4.93	.122	4.57	2.66	1,627	—
AVERAGE.....	8.68	4.17	.102	4.89	2.22	1,385	60	8.94	4.43	.105	4.82	2.04	1,794	23
SECOND LACTATION.														
32.....	9.27	4.40	.111	—	—	—	—	9.30	4.40	.111	—	—	—	—
60.....	8.62	4.17	.127	5.43	2.33	53	—	8.75	4.24	.111	5.05	2.21	101	—
88.....	8.48	4.02	.157	5.05	3.11	36	—	8.51	4.16	.106	5.11	2.08	41	—
116.....	8.31	3.98	.132	4.95	2.66	314	—	8.48	4.06	.162	4.57	3.47	1,538	—
144.....	8.54	3.95	.147	5.01	2.93	947	—	8.53	4.05	.152	4.67	3.25	2,811	—
172.....	9.15	4.48	.137	4.95	2.76	1,254	—	9.26	4.31	.132	4.76	2.77	1,183	—
200.....	9.12	4.50	.101	4.95	2.05	243	—	9.21	4.72	.132	4.86	2.71	189	—
228.....	9.15	4.37	.172	4.95	3.48	456	—	9.08	4.44	.167	4.95	3.38	278	—
256.....	9.10	4.56	.182	—	—	1,550	100	8.96	4.70	.162	4.67	3.47	1,006	100
284.....	9.07	4.65	—	—	—	—	—	9.05	5.16	—	—	—	—	—
AVERAGE.....	8.86	4.25	.141	5.04	2.76	607	100	8.90	4.36	.137	4.84	2.92	893	100

223-224b



7922 (1).

Left Fore.							Left Hind.						
Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.
8.80	5.01	.058	—	—	—	80	10.12	4.94	.025	—	—	—	50
8.80	5.00	.111	—	—	—	10	9.03	4.42	.122	5.05	1.41	—	140
8.90	4.70	—	—	—	—	—	8.35	3.85	—	—	—	—	—
9.02	4.14	.101	4.86	2.08	—	0	8.94	3.98	.101	5.43	1.87	—	20
8.83	4.83	.081	5.14	1.58	—	0	9.01	4.58	.061	5.24	1.16	—	0
9.06	5.08	.096	5.05	1.91	—	0	8.97	4.41	.096	—	—	—	0
8.67	3.95	.111	—	—	—	—	8.94	4.67	.086	—	—	—	—
9.66	4.65	.137	4.19	3.26	47	300	8.87	4.59	.116	4.38	2.66	59	40
8.66	4.88	.122	4.48	2.71	296	—	8.80	4.86	.106	4.86	2.19	568	—
8.79	5.21	.137	4.86	2.81	426	—	8.89	5.06	.162	4.76	3.40	1,450	—
8.91	4.74	.106	4.76	2.39	256	65	8.98	4.51	.097	4.95	2.11	692	42
9.37	4.42	.111	—	—	—	—	9.34	4.59	.106	—	—	—	—
8.47	4.22	.147	4.86	3.02	450	—	8.83	4.31	.122	5.14	2.36	87	—
8.28	4.00	.157	4.76	3.30	178	—	8.48	4.04	.157	5.14	3.05	30	—
8.20	3.94	.187	4.57	4.10	432	—	8.57	4.18	.157	4.95	3.17	148	—
8.30	4.10	.162	4.38	3.69	4,142	—	8.66	4.46	.101	5.24	1.93	379	—
9.00	4.32	.142	5.14	2.76	1,006	—	9.44	4.65	.152	4.76	3.19	154	—
9.08	4.65	.122	4.76	2.55	828	—	9.41	4.76	.106	4.95	2.15	118	—
9.14	4.50	.182	4.38	4.16	515	—	9.11	4.63	.157	4.95	3.17	41	—
8.97	4.63	.167	—	—	1,793	50	9.26	5.08	.147	5.52	2.66	112	0
9.34	5.43	—	—	—	—	—	9.08	5.69	—	—	—	—	—
8.80	4.31	.153	4.69	3.39	1,168	50	9.01	4.58	.134	5.08	2.71	134	0

← 223-224a

223-224b

SECRETION OF ABNORMAL MILK BY QUARTERS FREE FROM KNOWN PATHOGENS

COW 7922 (2).

Days after Calving.	Right Fore.							Right Hind.						
	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.
THIRD LACTATION.														
32.....	8.71	3.78	.127	5.05	2.51	947	1,000	8.74	4.04	.132	4.95	2.66	663	1,000
60.....	8.55	3.94	.152	4.86	3.13	491	6,500	8.61	4.02	.147	5.05	2.91	769	2,000
88.....	8.51	3.97	.177	—	—	722	750	8.70	3.93	.167	—	—	112	50
116.....	8.38	3.99	.172	5.05	3.41	361	1,000	8.47	3.85	.127	4.95	2.56	149	100
144.....	8.48	3.72	.162	4.57	3.55	1,083	3,000	8.46	3.69	.167	4.76	3.51	308	500
172.....	8.49	3.72	.162	4.57	3.55	1,189	1,000	8.64	4.04	.152	4.67	3.25	373	100
200.....	8.81	3.87	.152	4.00	3.80	1,669	1,000	8.55	3.99	.116	4.67	2.49	154	0
228.....	8.73	3.86	.132	4.95	2.66	—	1,000	8.87	4.09	.116	4.86	2.40	—	100
256.....	8.45	3.92	.142	4.76	2.98	—	—	8.74	4.37	.132	4.76	2.77	—	—
284.....	8.74	4.50	.147	4.95	2.97	1,361	2,000	9.01	4.95	.147	4.76	3.09	183	0
AVERAGE.....	8.60	3.91	.153	4.74	3.17	978	1,916	8.68	4.09	.140	4.83	2.85	339	328
FOURTH LACTATION.														
32.....	9.17	3.84	.091	4.95	1.84	65	200	8.97	3.67	.106	5.05	2.10	254	500
60.....	8.44	3.24	.116	4.95	2.34	438	1,000	8.37	3.32	.137	5.05	2.71	201	200
88.....	8.54	3.82	.142	4.86	2.92	4,396	—	8.58	3.79	.142	4.95	2.87	290	—
116.....	8.52	3.24	.106	4.76	2.23	1,284	—	8.53	3.73	.116	4.95	2.34	444	—
144.....	8.48	2.94	.132	4.76	2.77	840	—	8.54	4.03	.106	4.57	2.32	278	—
172.....	8.51	4.00	.106	4.67	2.27	1,172	—	8.72	4.00	.142	4.76	2.98	639	—
200.....	8.49	2.92	.111	4.57	2.43	1,231	—	8.77	4.29	.101	4.76	2.12	278	—
228.....	8.56	1.90	.122	4.57	2.67	752	—	8.49	2.91	.116	5.24	2.25	53	—
256.....	8.58	3.22	.142	4.76	2.98	1,107	7,500	8.53	3.22	.132	4.57	2.87	639	3,000
284.....	8.57	3.37	.152	4.48	3.39	1,707	—	8.50	3.82	.177	4.76	3.72	657	—
AVERAGE.....	8.61	3.26	.122	4.73	2.58	1,299	2,900	8.61	3.69	.128	4.87	2.63	473	1,233

225-226b →

7922 (2).

Left Fore.							Left Hind.						
Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.	Solids not Fat. Per Cent.	Fat. Per Cent.	Chloride. Per Cent.	Lactose. Per Cent.	Chloride-lactose Index.	Cells (thousands per ml.).	Bacteria.
8.57	3.61	.167	5.05	3.31	1,112	6,000	8.79	4.28	.101	5.33	1.90	337	100
8.31	3.79	.167	4.00	4.18	657	3,400	8.54	4.26	.137	4.86	2.81	107	500
8.28	3.80	.177	—	—	479	1,500	8.62	4.08	.152	—	—	77	200
8.22	3.85	.162	4.38	3.70	491	1,000	8.48	4.13	.137	4.76	2.87	24	0
8.38	3.65	.162	4.29	3.78	805	5,000	8.56	3.84	.137	4.76	2.87	47	20
8.42	3.96	.197	2.66	7.42	1,438	500	8.69	4.50	.071	4.95	1.43	426	0
8.61	4.11	.147	4.38	3.35	1,574	1,000	8.82	4.09	.122	4.76	2.55	136	0
8.55	3.98	.147	4.76	3.09	—	1,000	8.85	4.46	.127	4.86	2.60	—	—
8.72	4.23	.147	4.57	3.21	—	5,000	8.82	3.56	.122	5.05	2.41	—	0
8.96	4.85	.142	4.76	2.98	2,142	—	8.98	5.22	.132	4.95	2.66	195	—
8.48	3.93	.162	4.32	3.89	1,087	2,711	8.71	4.33	.124	4.92	2.46	169	102
8.90	4.58	.142	4.67	3.13	1,479	1,000	9.09	4.42	.106	5.14	2.06	77	10
8.27	4.00	.177	4.48	3.98	479	1,000	8.52	4.08	.142	4.86	2.92	160	20
8.45	3.89	.157	4.76	3.30	5,633	—	8.58	4.08	.142	4.86	2.92	395	—
8.35	3.62	.142	4.59	3.09	1,314	—	8.67	3.93	.111	4.76	2.32	446	—
8.38	3.93	.137	4.57	3.00	462	—	8.47	3.94	.116	4.76	2.44	272	—
8.60	4.11	.147	4.29	3.43	923	—	8.70	3.84	.122	4.95	2.47	148	—
8.53	4.06	.111	4.48	2.48	1,160	—	8.97	4.07	.056	4.86	1.15	95	—
8.28	2.63	.132	4.57	2.87	763	—	8.67	3.49	.106	4.95	2.14	159	—
8.36	3.65	.157	4.48	3.50	997	2,250	8.79	3.58	.132	4.76	2.77	2,024	1,500
8.21	3.05	.197	—	—	1,432	—	8.71	4.05	.177	5.05	3.50	2,112	—
8.46	3.84	.150	4.54	3.19	1,464	1,417	8.71	3.95	.121	4.90	2.47	589	510

← 225-226a

225-226b