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Conversion Factors For Production Traits. Source: INTERBULL 1104

Converted Canadian Proof = A + (B\* Foreign Proof)

Converted Proof Reliability = PCORR2\*Foreign Reliability

breed	country2	amilk	bmilk	afat	bfat	aprot	bprot	pcorr2
HOL	AUS	-285.47	1.4540	12.518	1.3050	4.031	1.6017	0.5776
HOL	BEL	-373.01	1.4525	-4.093	1.3455	-1.419	1.3644	0.7225
HOL	CHE	-479.03	1.4132	1.199	1.3656	-6.612	1.4082	0.8281
HOL	CHR	-1336.27	1.3576	-17.637	1.2604	-27.346	1.3551	0.7396
HOL	CZE	323.52	1.2490	12.943	1.1773	17.575	1.1274	0.7225
HOL	DEU	-224.97	1.2585	8.256	1.1892	3.682	1.2145	0.7921
HOL	DFS	-6176.81	64.8632	-236.505	2.6003	-159.614	1.8168	0.8464
HOL	ESP	117.27	1.4589	7.238	1.3472	7.518	1.3834	0.7921
HOL	EST	-435.98	1.1216	4.166	1.1867	-1.033	1.0767	0.7396
HOL	FRA	289.07	1.1113	17.158	1.0638	20.096	1.1064	0.8281
HOL	FRR	-950.20	1.0509	-1.721	1.1731	-9.295	1.0377	0.7569
HOL	GBR	-113.01	2.7616	6.718	2.9530	3.033	2.9148	0.7569
HOL	HUN	18.30	1.1203	3.947	1.2199	4.632	1.0482	0.7396
HOL	IRL	-1199.40	4.5190	-20.870	4.4789	-21.128	4.3273	0.5625
HOL	ISR	177.89	1.8944	33.315	1.9293	17.452	2.1872	0.6400
HOL	ITA	93.53	1.2303	6.021	1.1548	6.981	1.1104	0.8100
HOL	JPN	392.75	1.0065	14.941	1.1067	13.752	1.0765	0.7225
HOL	LTU	-1305.80	2.3473	-8.655	1.8113	-21.000	1.8760	0.7569
HOL	LVA	-798.42	2.0132	2.490	1.4238	-9.094	1.8370	0.7396
HOL	NLD	201.81	1.1756	27.386	1.1175	24.685	1.1485	0.8281
HOL	NZL	-2012.22	2.2231	-10.510	1.7957	-31.438	2.0080	0.5625
HOL	POL	-203.42	1.9346	7.544	1.8211	1.734	2.0418	0.7225
HOL	PRT	-122.51	1.2374	5.773	1.1259	7.145	1.0340	0.7225
HOL	SVK	-84.82	1.9440	-1.925	1.8614	4.581	1.9237	0.7225
HOL	SVN	-427.77	3.8038	-5.417	3.5441	-8.026	3.6080	0.7396
HOL	USA	334.87	1.0397	6.863	1.0636	10.236	1.1129	0.8464
HOL	ZAF	-76.61	1.7905	4.145	1.6090	2.295	1.7208	0.7225

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Conversion Factors For SCS Traits. Source: INTERBULL 1104

Converted Canadian Proof = A + (B\* Foreign Proof)

Converted Proof Reliability = SCORR2\*Foreign Reliability

breed	country2	a	b	scorr2
HOL	AUS	3.8106	-0.0074	0.7056
HOL	BEL	1.4588	0.5092	0.8281
HOL	CHE	5.1023	-0.0215	0.8100
HOL	CHR	5.1570	-0.0225	0.7225
HOL	CZE	4.5249	-0.0150	0.7225
HOL	DEU	2.9617	0.5071	0.8281
HOL	DFS	5.0383	-0.0212	0.8281
HOL	ESP	5.1649	-0.0218	0.8464
HOL	EST	4.8408	-0.0183	0.7569
HOL	FRA	2.9900	-0.2065	0.8464
HOL	FRR	2.9816	-0.2307	0.8464
HOL	GBR	2.9886	0.0193	0.8649
HOL	HUN	2.9330	0.1919	0.7921
HOL	IRL	2.9673	2.0874	0.7569
HOL	ISR	2.9075	0.9562	0.7396

HOL	ITA	7.0691	-0.0411	0.8281
HOL	JPN	1.7029	0.5662	0.7744
HOL	LTU	2.9596	0.6492	0.7396
HOL	LVA	3.0245	0.4965	0.7225
HOL	NLD	8.2016	-0.0517	0.8464
HOL	NZL	3.0455	0.5300	0.6561
HOL	POL	5.1009	-0.0220	0.8100
HOL	PRT	3.0175	0.4200	0.7225
HOL	SVK	1.1169	0.6245	0.7396
HOL	USA	-0.2945	1.0979	0.9025
HOL	ZAF	2.9904	0.0909	0.7921

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Conversion Factors For Type. Source = INTERBULL MACE 1104  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=AUS

c		c	f				
a		o	o		a	b	t
n		u	r		v	v	c
b	t	n	t		a	a	o
r	r	t	r		l	l	r
e	a	r	a		u	u	r
e	i	y	i		e	e	2
d	t	2	t				
HOL	CONFORMATION	AUS	GENERAL APPEARANCE	-62.428	0.569	0.35	
HOL	FEET AND LEGS	AUS	OVERALL FEET & LEG	-15.782	0.114		
HOL	MAMMARY SYSTEM	AUS	OVERALL UDDER SCORE	-70.180	0.660		
HOL	STATURE	AUS	STATURE	-48.025	0.433		
HOL	CHEST WIDTH	AUS	CHEST WIDTH	-55.791	0.557		
HOL	BODY DEPTH	AUS	BODY DEPTH	-55.295	0.548		
HOL	PIN WIDTH	AUS	PIN WIDTH	-54.200	0.525		
HOL	RUMP ANGLE	AUS	RUMP ANGLE	-47.051	0.482		
HOL	FOOT ANGLE	AUS	FOOT ANGLE	-56.155	0.537		
HOL	REAR LEGS SIDE VIEW	AUS	REAR LEG SET	-78.938	0.796		
HOL	REAR LEG REAR VIEW	AUS	REAR LEG REAR VIEW	-61.663	0.595		
HOL	UDDER DEPTH	AUS	UDDER DEPTH	-48.998	0.458		
HOL	MEDIAN SUSPENSORY	AUS	MEDIAN SUSPENSORY	-70.167	0.667		
HOL	FORE ATTACHMENT	AUS	FORE UDDER	-63.276	0.605		
HOL	FRONT TEAT PLACEMENT	AUS	FRONT TEAT PLACEMENT	-50.220	0.489		
HOL	TEAT LENGTH	AUS	TEAT LENGTH	-38.847	0.381		
HOL	REAR ATTACHMENT HEIGHT	AUS	REAR UDDER HEIGHT	-65.174	0.614		
HOL	REAR TEAT PLACEMENT	AUS	REAR TEAT PLACEMENT	-58.114	0.571		
HOL	ANGULARITY	AUS	ANGULARITY	-53.354	0.491		

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Conversion Factors For Type. Source = INTERBULL MACE 1104  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=BEL

c		c	f				
a		o	o		a	b	t
n		u	r				

b	t	n	t	v	v	c
r	r	t	r	a	a	o
e	a	r	a	l	l	r
e	i	y	i	u	u	r
d	t	2	t	e	e	2
HOL	CONFORMATION	BEL	CONFORMATION	-1.952	3.192	0.55
HOL	FEET AND LEGS	BEL	OVERALL FEET & LEG	-0.172	2.579	
HOL	MAMMARY SYSTEM	BEL	OVERALL UDDER SCORE	-1.609	3.292	
HOL	STATURE	BEL	STATURE	-2.169	4.480	
HOL	CHEST WIDTH	BEL	CHEST WIDTH	0.094	3.142	
HOL	BODY DEPTH	BEL	BODY DEPTH	-1.131	3.467	
HOL	PIN WIDTH	BEL	RUMP WIDTH	-0.590	3.674	
HOL	RUMP ANGLE	BEL	RUMP ANGLE	0.970	3.549	
HOL	FOOT ANGLE	BEL	FOOT ANGLE	0.202	2.687	
HOL	REAR LEGS SIDE VIEW	BEL	REAR LEG SET	-0.802	3.050	
HOL	REAR LEG REAR VIEW	BEL	REAR LEG REAR VIEW	0.750	2.766	
HOL	UDDER DEPTH	BEL	UDDER DEPTH	-1.337	4.034	
HOL	MEDIAN SUSPENSORY	BEL	MEDIAN SUSPENSORY	-1.379	2.982	
HOL	FORE ATTACHMENT	BEL	FORE UDDER	-1.586	2.969	
HOL	TEAT PLACEMENT	BEL	FRONT TEAT PLACEMENT	-0.910	3.726	
HOL	TEAT LENGTH	BEL	TEAT LENGTH	-0.036	3.617	
HOL	REAR ATTACHMENT HEIGHT	BEL	REAR UDDER HEIGHT	-2.374	4.070	
HOL	REAR TEAT PLACEMENT	BEL	REAR TEAT PLACEMENT	-1.526	4.187	
HOL	ANGULARITY	BEL	ANGULARITY	-2.511	4.292	

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Conversion Factors For Type. Source = INTERBULL MACE 1104  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=CHE

c	c	f				
a	o	o	a	b	t	
n	u	r	v	v	c	
b	n	t	a	a	o	
r	t	r	l	l	r	
e	r	a	u	u	r	
e	y	i	e	e	2	
d	2	t				
HOL	CONFORMATION	CHE	FINAL SCORE	-38.304	0.372	0.83
HOL	FEET AND LEGS	CHE	OVERALL FEET & LEG	-0.306	4.991	
HOL	MAMMARY SYSTEM	CHE	OVERALL UDDER SCORE	-1.084	4.481	
HOL	STATURE	CHE	STATURE	-1.588	4.889	
HOL	CHEST WIDTH	CHE	CHEST WIDTH	0.576	5.011	
HOL	BODY DEPTH	CHE	BODY DEPTH	-0.386	3.856	
HOL	PIN WIDTH	CHE	RUMP WIDTH	-0.587	5.319	
HOL	RUMP ANGLE	CHE	RUMP ANGLE	0.215	6.152	
HOL	FOOT ANGLE	CHE	FOOT ANGLE	-0.451	3.734	
HOL	REAR LEGS SIDE VIEW	CHE	REAR LEG SET	0.158	4.477	
HOL	REAR LEG REAR VIEW	CHE	REAR LEG REAR VIEW	-1.032	3.653	
HOL	UDDER DEPTH	CHE	UDDER DEPTH	0.529	4.480	
HOL	MEDIAN SUSPENSORY	CHE	MEDIAN SUSPENSORY	-1.674	4.543	
HOL	FORE ATTACHMENT	CHE	FORE UDDER	-1.022	4.628	
HOL	FRONT TEAT PLACEMENT	CHE	FRONT TEAT PLACEMENT	-0.686	5.185	
HOL	TEAT LENGTH	CHE	TEAT LENGTH	-1.127	5.215	
HOL	REAR ATTACHMENT HEIGHT	CHE	REAR UDDER HEIGHT	-2.145	4.788	



HOL	BODY DEPTH	CZE	BODY DEPTH	-36.536	0.346
HOL	PIN WIDTH	CZE	RUMP WIDTH	-42.658	0.408
HOL	RUMP ANGLE	CZE	RUMP ANGLE	-43.165	0.436
HOL	FOOT ANGLE	CZE	FOOT ANGLE	-31.621	0.313
HOL	REAR LEGS SIDE VIEW	CZE	REAR LEG SET	-35.669	0.348
HOL	REAR LEG REAR VIEW	CZE	REAR LEG REAR VIEW	-30.693	0.300
HOL	UDDER DEPTH	CZE	UDDER DEPTH	-40.458	0.374
HOL	MEDIAN SUSPENSORY	CZE	MEDIAN SUSPENSORY	-34.724	0.331
HOL	FORE ATTACHMENT	CZE	FORE UDDER	-37.776	0.355
HOL	FRONT TEAT PLACEMENT	CZE	FRONT TEAT PLACEMENT	-41.669	0.407
HOL	TEAT LENGTH	CZE	TEAT LENGTH	-36.472	0.367
HOL	REAR ATTACHMENT HEIGHT	CZE	REAR UDDER HEIGHT	-36.358	0.330
HOL	REAR TEAT PLACEMENT	CZE	REAR TEAT PLACEMENT	-39.266	0.379
HOL	ANGULARITY	CZE	ANGULARITY	-34.948	0.317

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Conversion Factors For Type. Source = INTERBULL MACE 1104  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=DEU

c	c	f				
a	o	o				
n	u	r	a	b	t	
b	n	t	v	v	c	
r	t	r	a	a	o	
e	r	a	l	l	r	
e	y	i	u	u	r	
d	2	t	e	e	2	
HOL	CONFORMATION	DEU	OVERALL TYPE (RZE)	-38.096	0.358	0.72
HOL	FEET AND LEGS	DEU	OVERALL FEET & LEG	-56.661	0.559	
HOL	MAMMARY SYSTEM	DEU	OVERALL UDDER SCORE	-43.440	0.414	
HOL	STATURE	DEU	STATURE	-45.633	0.435	
HOL	CHEST WIDTH	DEU	CHEST WIDTH	-45.501	0.443	
HOL	BODY DEPTH	DEU	BODY DEPTH	-45.290	0.441	
HOL	PIN WIDTH	DEU	RUMP WIDTH	-48.323	0.468	
HOL	RUMP ANGLE	DEU	RUMP ANGLE	-46.371	0.464	
HOL	FOOT ANGLE	DEU	FOOT ANGLE	-46.109	0.459	
HOL	REAR LEGS SIDE VIEW	DEU	REAR LEG SET	-48.446	0.483	
HOL	REAR LEG REAR VIEW	DEU	REAR LEG REAR VIEW	-51.366	0.513	
HOL	UDDER DEPTH	DEU	UDDER DEPTH	-43.940	0.421	
HOL	MEDIAN SUSPENSORY	DEU	MEDIAN SUSPENSORY	-44.627	0.435	
HOL	FORE ATTACHMENT	DEU	FORE UDDER	-43.849	0.420	
HOL	FRONT TEAT PLACEMENT	DEU	FRONT TEAT PLACEMENT	-42.866	0.424	
HOL	TEAT LENGTH	DEU	TEAT LENGTH	-44.339	0.433	
HOL	REAR ATTACHMENT HEIGHT	DEU	REAR UDDER HEIGHT	-47.869	0.458	
HOL	REAR TEAT PLACEMENT	DEU	REAR TEAT PLACEMENT	-49.331	0.492	
HOL	ANGULARITY	DEU	ANGULARITY	-43.647	0.422	

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Conversion Factors For Type. Source = INTERBULL MACE 1104  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=DFS

c	c	f				
a	o	o		a	b	
n	u	r		v	v	
b	n	t		a	a	
r	t	r		l	l	
e	r	a		u	u	
e	y	i		e	e	
d	2	t				
					t	
					c	
					o	
					r	
					2	
HOL	CONFORMATION	DFS	OVERALL CONFORMATION	-39.815	0.338	0.56
HOL	FEET AND LEGS	DFS	OVERALL FEET & LEG	-39.787	0.396	
HOL	MAMMARY SYSTEM	DFS	OVERALL UDDER SCORE	-39.755	0.370	
HOL	STATURE	DFS	STATURE	-49.734	0.449	
HOL	CHEST WIDTH	DFS	CHEST WIDTH	-48.319	0.458	
HOL	BODY DEPTH	DFS	BODY DEPTH	-51.377	0.476	
HOL	PIN WIDTH	DFS	RUMP WIDTH	-45.260	0.425	
HOL	RUMP ANGLE	DFS	RUMP ANGLE	-47.743	0.485	
HOL	FOOT ANGLE	DFS	FOOT ANGLE	-41.440	0.413	
HOL	REAR LEGS SIDE VIEW	DFS	REAR LEG SET	-45.804	0.451	
HOL	REAR LEG REAR VIEW	DFS	REAR LEG REAR VIEW	-43.270	0.427	
HOL	UDDER DEPTH	DFS	UDDER DEPTH	-47.609	0.463	
HOL	MEDIAN SUSPENSORY	DFS	MEDIAN SUSPENSORY	-41.470	0.391	
HOL	FORE ATTACHMENT	DFS	FORE UDDER	-46.164	0.435	
HOL	FRONT TEAT PLACEMENT	DFS	FRONT TEAT PLACEMENT	-48.650	0.479	
HOL	TEAT LENGTH	DFS	TEAT LENGTH	-53.327	0.526	
HOL	REAR ATTACHMENT HEIGHT	DFS	REAR UDDER HEIGHT	-43.104	0.398	
HOL	REAR TEAT PLACEMENT	DFS	REAR TEAT PLACEMENT	-53.209	0.519	
HOL	ANGULARITY	DFS	DAIRY FORM	-50.245	0.453	

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Conversion Factors For Type. Source = INTERBULL MACE 1104  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=ESP

c	c	f				
a	o	o		a	b	
n	u	r		v	v	
b	n	t		a	a	
r	t	r		l	l	
e	r	a		u	u	
e	y	i		e	e	
d	2	t				
					t	
					c	
					o	
					r	
					2	
HOL	CONFORMATION	ESP	FINAL CLASS	-2.113	5.031	0.67
HOL	FEET AND LEGS	ESP	OVERALL FEET & LEG	-0.525	4.964	
HOL	MAMMARY SYSTEM	ESP	OVERALL UDDER SCORE	-1.440	4.580	
HOL	STATURE	ESP	STATURE	-2.605	5.445	
HOL	CHEST WIDTH	ESP	CHEST WIDTH	-0.405	5.001	
HOL	BODY DEPTH	ESP	BODY DEPTH	-1.464	4.743	
HOL	PIN WIDTH	ESP	PIN WIDTH	-0.383	4.962	
HOL	RUMP ANGLE	ESP	RUMP ANGLE	0.239	5.003	
HOL	FOOT ANGLE	ESP	FOOT ANGLE	0.061	5.014	
HOL	REAR LEGS SIDE VIEW	ESP	REAR LEG SET	-1.139	4.958	
HOL	REAR LEG REAR VIEW	ESP	REAR LEG REAR VIEW	0.241	4.712	
HOL	UDDER DEPTH	ESP	UDDER DEPTH	-1.163	4.821	
HOL	MEDIAN SUSPENSORY	ESP	MEDIAN SUSPENSORY	-1.232	5.559	
HOL	FORE ATTACHMENT	ESP	FORE UDDER	-1.890	5.106	

HOL	FRONT TEAT PLACEMENT	ESP	FRONT TEAT PLACEMENT	-0.489	5.166
HOL	TEAT LENGTH	ESP	TEAT LENGTH	-0.303	4.904
HOL	REAR ATTACHMENT HEIGHT	ESP	REAR UDDER HEIGHT	-2.235	5.191
HOL	REAR TEAT PLACEMENT	ESP	REAR TEAT PLACEMENT	-1.013	5.791
HOL	ANGULARITY	ESP	ANGULARITY	-2.268	5.756

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Conversion Factors For Type. Source = INTERBULL MACE 1104  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=EST

	c		c	f				
	a		o	o				
	n		u	r		a	b	t
b	t		n	t		v	v	c
r	r		t	r		a	a	o
e	a		r	a		l	l	r
e	i		y	i		u	u	r
d	t		2	t		e	e	2
HOL	CONFORMATION	EST	OVERALL CONFORMATION	-39.261	0.344	0.58		
HOL	FEET AND LEGS	EST	OVERALL FEET & LEG	-25.077	0.240			
HOL	MAMMARY SYSTEM	EST	OVERALL UDDER SCORE	-37.104	0.328			
HOL	STATURE	EST	STATURE	-45.508	0.409			
HOL	CHEST WIDTH	EST	CHEST WIDTH	-34.088	0.336			
HOL	BODY DEPTH	EST	BODY DEPTH	-41.493	0.390			
HOL	PIN WIDTH	EST	RUMP WIDTH	-39.280	0.365			
HOL	RUMP ANGLE	EST	RUMP ANGLE	-41.275	0.423			
HOL	FOOT ANGLE	EST	FOOT ANGLE	-33.165	0.326			
HOL	REAR LEGS SIDE VIEW	EST	REAR LEG SET	-40.191	0.401			
HOL	REAR LEG REAR VIEW	EST	REAR LEG REAR VIEW	-29.194	0.294			
HOL	UDDER DEPTH	EST	UDDER DEPTH	-42.787	0.397			
HOL	MEDIAN SUSPENSORY	EST	MEDIAN SUSPENSORY	-31.862	0.300			
HOL	FORE ATTACHMENT	EST	FORE UDDER	-34.326	0.316			
HOL	FRONT TEAT PLACEMENT	EST	FRONT TEAT PLACEMENT	-43.072	0.409			
HOL	TEAT LENGTH	EST	TEAT LENGTH	-38.421	0.381			
HOL	REAR ATTACHMENT HEIGHT	EST	REAR UDDER HEIGHT	-32.016	0.281			
HOL	REAR TEAT PLACEMENT	EST	REAR TEAT PLACEMENT	-43.458	0.411			
HOL	ANGULARITY	EST	ANGULARITY	-20.021	0.169			

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Conversion Factors For Type. Source = INTERBULL MACE 1104  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=FRA

	c		c	f				
	a		o	o				
	n		u	r		a	b	t
b	t		n	t		v	v	c
r	r		t	r		a	a	o
e	a		r	a		l	l	r
e	i		y	i		u	u	r
d	t		2	t		e	e	2

HOL	CONFORMATION	FRA	OVERALL SCORE	-4.496	3.786	0.66
HOL	FEET AND LEGS	FRA	OVERALL FEET & LEG	-3.059	3.582	
HOL	MAMMARY SYSTEM	FRA	OVERALL UDDER SCORE	-3.122	4.316	
HOL	STATURE	FRA	STATURE	-2.940	4.794	
HOL	CHEST WIDTH	FRA	CHEST DEPTH	-0.408	4.848	
HOL	BODY DEPTH	FRA	BODY DEPTH	-2.132	3.462	
HOL	PIN WIDTH	FRA	RUMP WIDTH	-1.758	4.673	
HOL	RUMP ANGLE	FRA	RUMP ANGLE	1.506	5.217	
HOL	FOOT ANGLE	FRA	HEEL DEPTH	-1.540	4.646	
HOL	REAR LEGS SIDE VIEW	FRA	REAR LEG SET	0.615	4.779	
HOL	REAR LEG REAR VIEW	FRA	REAR LEG REAR VIEW	-1.308	4.730	
HOL	UDDER DEPTH	FRA	UDDER DEPTH	-2.522	4.918	
HOL	MEDIAN SUSPENSORY	FRA	MEDIAN SUSPENSORY	-2.534	4.012	
HOL	FORE ATTACHMENT	FRA	FORE UDDER	-3.348	4.691	
HOL	FRONT TEAT PLACEMENT	FRA	FRONT TEAT PLACEMENT	-1.479	4.768	
HOL	TEAT LENGTH	FRA	TEAT LENGTH	0.172	5.398	
HOL	REAR ATTACHMENT HEIGHT	FRA	REAR UDDER HEIGHT	-3.792	4.714	
HOL	REAR TEAT PLACEMENT	FRA	REAR TEAT PLACEMENT	-1.568	5.451	
HOL	ANGULARITY	FRA	ANGULARITY	-2.936	4.870	

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Conversion Factors For Type. Source = INTERBULL MACE 1104  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=FRR

c	a	n	b	r	e	e	d	c	o	u	n	t	r	a	y	2	f	o	r	a	i	t	a	b	t	v	a	l	u	e	c	o	r	r	2				
HOL	CONFORMATION	FRR	CONFORMATION	-49.843	0.410	0.49																																	
HOL	MAMMARY SYSTEM	FRR	OVERALL UDDER SCORE	-52.437	0.455																																		
HOL	STATURE	FRR	STATURE	-46.787	0.390																																		
HOL	CHEST WIDTH	FRR	CHEST WIDTH	-86.994	0.862																																		
HOL	BODY DEPTH	FRR	BODY DEPTH	-45.649	0.427																																		
HOL	PIN WIDTH	FRR	RUMP WIDTH	-40.254	0.366																																		
HOL	RUMP ANGLE	FRR	RUMP ANGLE	-44.420	0.476																																		
HOL	FOOT ANGLE	FRR	FOOT ANGLE	-43.475	0.406																																		
HOL	REAR LEGS SIDE VIEW	FRR	REAR LEG SET	-39.845	0.392																																		
HOL	REAR LEG REAR VIEW	FRR	REAR LEG REAR VIEW	-41.151	0.390																																		
HOL	UDDER DEPTH	FRR	UDDER DEPTH	-61.092	0.569																																		
HOL	MEDIAN SUSPENSORY	FRR	MEDIAN SUSPENSORY	-50.121	0.423																																		
HOL	FORE ATTACHMENT	FRR	FORE UDDER	-42.430	0.366																																		
HOL	TEAT PLACEMENT	FRR	FRONT TEAT PLACEMENT	-60.562	0.556																																		
HOL	TEAT LENGTH	FRR	TEAT LENGTH	-44.498	0.426																																		
HOL	REAR ATTACHMENT HEIGHT	FRR	REAR UDDER HEIGHT	-63.148	0.560																																		
HOL	REAR TEAT PLACEMENT	FRR	REAR TEAT PLACEMENT	-57.855	0.503																																		
HOL	ANGULARITY	FRR	ANGULARITY	-50.721	0.420																																		

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Conversion Factors For Type. Source = INTERBULL MACE 1104  
 Converted Canadian Proof = A + (B\* Foreign Proof)



Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=GBR

c	c	f				
a	o	o				
n	u	r	a	b	t	
b	n	t	v	v	c	
r	t	r	a	a	o	
e	r	a	l	l	r	
e	y	i	u	u	r	
d	2	t	e	e	2	
HOL	CONFORMATION	GBR	TOTAL SCORE	-2.614	4.830	0.74
HOL	FEET AND LEGS	GBR	OVERALL FEET & LEG	-1.215	4.260	
HOL	MAMMARY SYSTEM	GBR	OVERALL UDDER SCORE	-2.045	4.192	
HOL	STATURE	GBR	STATURE	-2.467	4.418	
HOL	CHEST WIDTH	GBR	CHEST WIDTH	-1.073	4.226	
HOL	BODY DEPTH	GBR	BODY DEPTH	-1.537	4.139	
HOL	PIN WIDTH	GBR	RUMP WIDTH	-1.733	4.337	
HOL	RUMP ANGLE	GBR	RUMP ANGLE	0.356	4.289	
HOL	FOOT ANGLE	GBR	FOOT ANGLE	-0.471	4.218	
HOL	REAR LEGS SIDE VIEW	GBR	REAR LEG SET	0.642	3.760	
HOL	REAR LEG REAR VIEW	GBR	REAR LEG REAR VIEW	-0.568	3.150	
HOL	UDDER DEPTH	GBR	UDDER DEPTH	-1.091	4.578	
HOL	MEDIAN SUSPENSORY	GBR	MEDIAN SUSPENSORY	-1.817	4.114	
HOL	FORE ATTACHMENT	GBR	FORE UDDER	-1.636	4.512	
HOL	TEAT PLACEMENT	GBR	FRONT TEAT PLACEMENT	-0.668	4.278	
HOL	TEAT LENGTH	GBR	TEAT LENGTH	-0.863	4.172	
HOL	REAR ATTACHMENT HEIGHT	GBR	REAR UDDER HEIGHT	-2.472	3.909	
HOL	REAR TEAT PLACEMENT	GBR	REAR TEAT PLACEMENT	-0.366	4.289	
HOL	ANGULARITY	GBR	ANGULARITY	-2.030	4.279	

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Conversion Factors For Type. Source = INTERBULL MACE 1104

Converted Canadian Proof = A + (B\* Foreign Proof)

Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=HUN

c	c	f				
a	o	o				
n	u	r	a	b	t	
b	n	t	v	v	c	
r	t	r	a	a	o	
e	r	a	l	l	r	
e	y	i	u	u	r	
d	2	t	e	e	2	
HOL	CONFORMATION	HUN	OVERALL CONFORMATION	-3.697	4.146	0.69
HOL	FEET AND LEGS	HUN	OVERALL FEET & LEG	-1.076	3.423	
HOL	MAMMARY SYSTEM	HUN	OVERALL UDDER SCORE	-1.837	4.017	
HOL	STATURE	HUN	STATURE	-4.784	5.122	
HOL	CHEST WIDTH	HUN	CHEST WIDTH	-1.139	4.830	
HOL	BODY DEPTH	HUN	BODY DEPTH	-2.570	3.922	
HOL	PIN WIDTH	HUN	RUMP WIDTH	-2.593	4.376	
HOL	RUMP ANGLE	HUN	RUMP ANGLE	0.557	5.638	
HOL	FOOT ANGLE	HUN	FOOT ANGLE	0.662	5.141	
HOL	REAR LEGS SIDE VIEW	HUN	REAR LEG SET	-0.844	5.652	

HOL	REAR LEG REAR VIEW	HUN	REAR LEG REAR VIEW	-0.064	4.493
HOL	UDDER DEPTH	HUN	UDDER DEPTH	-2.114	4.984
HOL	MEDIAN SUSPENSORY	HUN	MEDIAN SUSPENSORY	-1.394	4.662
HOL	FORE ATTACHMENT	HUN	FORE UDDER	-1.398	4.979
HOL	FRONT TEAT PLACEMENT	HUN	FRONT TEAT PLACEMENT	-1.028	5.297
HOL	TEAT LENGTH	HUN	TEAT LENGTH	0.501	5.498
HOL	REAR ATTACHMENT HEIGHT	HUN	REAR UDDER HEIGHT	-3.482	4.887
HOL	ANGULARITY	HUN	ANGULARITY	-3.849	4.947

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Conversion Factors For Type. Source = INTERBULL MACE 1104  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=ITA

	c		c	f				
	a		o	o				
	n		u	r		a	b	t
b	t		n	t		v	v	c
r	r		t	r		a	a	o
e	a		r	a		l	l	r
e	i		y	i		u	u	r
d	t		2	t		e	e	2

  

HOL	CONFORMATION	ITA	FINAL SCORE	-4.467	5.377	0.74
HOL	FEET AND LEGS	ITA	OVERALL FEET & LEG	-1.991	3.054	
HOL	MAMMARY SYSTEM	ITA	OVERALL UDDER SCORE	-3.456	4.540	
HOL	STATURE	ITA	STATURE	-4.514	4.176	
HOL	CHEST WIDTH	ITA	STRENGTH	-1.829	3.749	
HOL	BODY DEPTH	ITA	BODY DEPTH	-2.830	3.404	
HOL	PIN WIDTH	ITA	RUMP WIDTH	-3.180	3.886	
HOL	RUMP ANGLE	ITA	RUMP ANGLE	0.283	3.749	
HOL	FOOT ANGLE	ITA	FOOT ANGLE	-1.522	3.114	
HOL	REAR LEGS SIDE VIEW	ITA	REAR LEG SET	-0.573	3.638	
HOL	REAR LEG REAR VIEW	ITA	REAR LEG REAR VIEW	-0.981	2.596	
HOL	UDDER DEPTH	ITA	UDDER DEPTH	-2.477	3.686	
HOL	MEDIAN SUSPENSORY	ITA	MEDIAN SUSPENSORY	-2.071	3.318	
HOL	FORE ATTACHMENT	ITA	FORE UDDER	-3.282	3.400	
HOL	FRONT TEAT PLACEMENT	ITA	FRONT TEAT PLACEMENT	-1.950	3.583	
HOL	TEAT LENGTH	ITA	TEAT LENGTH	-1.198	3.953	
HOL	REAR ATTACHMENT HEIGHT	ITA	REAR UDDER HEIGHT	-3.708	3.173	
HOL	REAR TEAT PLACEMENT	ITA	REAR TEAT PLACEMENT	-0.794	3.265	
HOL	ANGULARITY	ITA	ANGULARITY	-4.133	3.824	

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Conversion Factors For Type. Source = INTERBULL MACE 1104  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=JPN

	c		c	f				
	a		o	o				
	n		u	r		a	b	t
b	t		n	t		v	v	c
r	r		t	r		a	a	o
e	a		r	a		l	l	r

e d	i t	y 2	i t	u e	u e	r 2
HOL	CONFORMATION	JPN	OVERALL CONFORMATION	-3.495	7.074	0.77
HOL	FEET AND LEGS	JPN	OVERALL FEET & LEG	-1.104	8.190	
HOL	MAMMARY SYSTEM	JPN	OVERALL UDDER SCORE	-2.593	7.161	
HOL	STATURE	JPN	STATURE	-3.059	4.342	
HOL	CHEST WIDTH	JPN	CHEST WIDTH	-1.813	3.839	
HOL	BODY DEPTH	JPN	BODY DEPTH	-2.344	3.131	
HOL	PIN WIDTH	JPN	RUMP WIDTH	-1.860	3.934	
HOL	RUMP ANGLE	JPN	RUMP ANGLE	0.007	3.906	
HOL	FOOT ANGLE	JPN	FOOT ANGLE	-0.321	2.188	
HOL	REAR LEGS SIDE VIEW	JPN	REAR LEG SET	0.483	3.601	
HOL	REAR LEG REAR VIEW	JPN	REAR LEG REAR VIEW	-0.297	3.005	
HOL	UDDER DEPTH	JPN	UDDER DEPTH	-1.884	4.096	
HOL	MEDIAN SUSPENSORY	JPN	MEDIAN SUSPENSORY	-0.487	2.316	
HOL	FORE ATTACHMENT	JPN	FORE UDDER	-2.219	3.356	
HOL	FRONT TEAT PLACEMENT	JPN	FRONT TEAT PLACEMENT	-1.167	3.773	
HOL	TEAT LENGTH	JPN	TEAT LENGTH	-0.024	3.767	
HOL	REAR ATTACHMENT HEIGHT	JPN	REAR UDDER HEIGHT	-2.502	3.547	
HOL	REAR TEAT PLACEMENT	JPN	REAR TEAT PLACEMENT	-1.100	3.647	
HOL	ANGULARITY	JPN	ANGULARITY	-2.443	3.495	

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Conversion Factors For Type. Source = INTERBULL MACE 1104  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=NLD

c b r e e d	a t r a i t	c o n f o r m a t i o n	f o r m a t i o n	a v e r a g e	b v a r i a n c e	t c o r r e l i a b i l i t y
HOL	CONFORMATION	NLD	OVERALL CONFORMATION	-122.149	1.183	0.61
HOL	FEET AND LEGS	NLD	OVERALL FEET & LEG	-92.177	0.916	
HOL	MAMMARY SYSTEM	NLD	OVERALL UDDER SCORE	-101.154	0.974	
HOL	STATURE	NLD	STATURE	-114.691	1.103	
HOL	CHEST WIDTH	NLD	CHEST WIDTH	-120.930	1.194	
HOL	BODY DEPTH	NLD	BODY DEPTH	-105.359	1.020	
HOL	PIN WIDTH	NLD	PIN WIDTH	-118.455	1.152	
HOL	RUMP ANGLE	NLD	RUMP ANGLE	-115.018	1.180	
HOL	FOOT ANGLE	NLD	CLAW DIAGONAL	-103.944	1.035	
HOL	REAR LEGS SIDE VIEW	NLD	REAR LEG SET	-112.216	1.112	
HOL	REAR LEG REAR VIEW	NLD	REAR LEG REAR VIEW	-110.603	1.110	
HOL	UDDER DEPTH	NLD	UDDER DEPTH	-110.459	1.076	
HOL	MEDIAN SUSPENSORY	NLD	MEDIAN SUSPENSORY	-112.305	1.088	
HOL	FORE ATTACHMENT	NLD	FORE UDDER	-112.639	1.097	
HOL	FRONT TEAT PLACEMENT	NLD	FRONT TEAT PLACEMENT	-118.583	1.171	
HOL	TEAT LENGTH	NLD	TEAT LENGTH	-113.473	1.137	
HOL	REAR ATTACHMENT HEIGHT	NLD	REAR UDDER HEIGHT	-94.811	0.913	
HOL	REAR TEAT PLACEMENT	NLD	REAR TEAT PLACEMENT	-121.452	1.198	
HOL	ANGULARITY	NLD	ANGULARITY	-103.795	0.994	

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Conversion Factors For Type. Source = INTERBULL MACE 1104  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=NZL

c		c		f				
a		o		o				
n		u		r		a	b	t
b	t	n	t			v	v	c
r	r	t	r			a	a	o
e	a	r	a			l	l	r
e	i	y	i			u	u	r
d	t	2	t			e	e	2
HOL	CONFORMATION	NZL	OVERALL CONFORMATION	-13.237	11.342	0.45		
HOL	MAMMARY SYSTEM	NZL	OVERALL UDDER SCORE	-9.605	9.918			
HOL	STATURE	NZL	STATURE	-21.492	10.070			
HOL	CHEST WIDTH	NZL	CHEST WIDTH	-2.554	12.128			
HOL	BODY DEPTH	NZL	BODY DEPTH	-4.485	10.480			
HOL	PIN WIDTH	NZL	RUMP WIDTH	-12.005	16.076			
HOL	RUMP ANGLE	NZL	RUMP ANGLE	0.609	16.820			
HOL	REAR LEGS SIDE VIEW	NZL	REAR LEG SET	2.167	24.309			
HOL	MEDIAN SUSPENSORY	NZL	MEDIAN SUSPENSORY	-10.185	8.991			
HOL	FORE ATTACHMENT	NZL	FORE UDDER	-7.227	11.875			
HOL	FRONT TEAT PLACEMENT	NZL	FRONT TEAT PLACEMENT	-6.726	16.891			
HOL	REAR ATTACHMENT HEIGHT	NZL	REAR UDDER HEIGHT	-9.340	11.636			
HOL	REAR TEAT PLACEMENT	NZL	REAR TEAT PLACEMENT	-9.389	12.332			

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Conversion Factors For Type. Source = INTERBULL MACE 1104  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=POL

c		c		f				
a		o		o				
n		u		r		a	b	t
b	t	n	t			v	v	c
r	r	t	r			a	a	o
e	a	r	a			l	l	r
e	i	y	i			u	u	r
d	t	2	t			e	e	2
HOL	CONFORMATION	POL	OVERALL CONFORMATION	-60.496	0.524	0.34		
HOL	FEET AND LEGS	POL	OVERALL FEET & LEG	-44.607	0.402			
HOL	MAMMARY SYSTEM	POL	OVERALL UDDER SCORE	-50.654	0.441			
HOL	STATURE	POL	STATURE	-73.978	0.654			
HOL	CHEST WIDTH	POL	CHEST WIDTH	-42.361	0.408			
HOL	BODY DEPTH	POL	BODY DEPTH	-40.478	0.377			
HOL	PIN WIDTH	POL	RUMP WIDTH	-47.075	0.435			
HOL	RUMP ANGLE	POL	RUMP ANGLE	-46.528	0.466			
HOL	FOOT ANGLE	POL	FOOT ANGLE	-41.999	0.395			
HOL	REAR LEGS SIDE VIEW	POL	REAR LEG SET	-40.722	0.408			
HOL	REAR LEG REAR VIEW	POL	REAR LEG REAR VIEW	-33.931	0.326			
HOL	UDDER DEPTH	POL	UDDER DEPTH	-55.240	0.503			

HOL	MEDIAN SUSPENSORY	POL	MEDIAN SUSPENSORY	-50.143	0.451
HOL	FORE ATTACHMENT	POL	FORE UDDER	-46.276	0.416
HOL	FRONT TEAT PLACEMENT	POL	FRONT TEAT PLACEMENT	-56.394	0.522
HOL	TEAT LENGTH	POL	TEAT LENGTH	-44.001	0.445
HOL	REAR ATTACHMENT HEIGHT	POL	REAR UDDER HEIGHT	-55.978	0.493
HOL	REAR TEAT PLACEMENT	POL	REAR TEAT PLACEMENT	-52.693	0.507
HOL	ANGULARITY	POL	ANGULARITY	-72.707	0.647

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Conversion Factors For Type. Source = INTERBULL MACE 1104  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=USA

	c		c	f				
	a		o	o		a	b	t
	n		u	r		v	v	c
b	t		n	t		a	a	o
r	r		t	r		l	l	r
e	a		r	a		u	u	r
e	i		y	i		e	e	r
d	t		2	t				2
HOL	CONFORMATION	USA	PTA TYPE (FINAL SCORE)	-2.773	5.321	0.77		
HOL	FEET AND LEGS	USA	FEET & LEGS SCORE	-1.573	3.489			
HOL	MAMMARY SYSTEM	USA	UDDER COMPOSITE	-0.782	4.657			
HOL	STATURE	USA	STATURE	-2.497	4.136			
HOL	CHEST WIDTH	USA	STRENGTH	-1.141	4.130			
HOL	BODY DEPTH	USA	BODY DEPTH	-2.225	3.458			
HOL	PIN WIDTH	USA	THURL WIDTH	-1.270	3.869			
HOL	RUMP ANGLE	USA	RUMP ANGLE	-0.300	3.970			
HOL	FOOT ANGLE	USA	FOOT ANGLE	-0.793	3.448			
HOL	REAR LEGS SIDE VIEW	USA	REAR LEGS - SIDE VIEW	-0.054	3.743			
HOL	REAR LEG REAR VIEW	USA	REAR LEGS - REAR VIEW	-0.846	3.070			
HOL	UDDER DEPTH	USA	UDDER DEPTH	-0.800	3.698			
HOL	MEDIAN SUSPENSORY	USA	UDDER CLEFT	-0.595	3.492			
HOL	FORE ATTACHMENT	USA	FORE ATTACHMENT	-1.316	3.687			
HOL	FRONT TEAT PLACEMENT	USA	FRONT TEAT PLACEMENT	-0.230	3.800			
HOL	TEAT LENGTH	USA	TEAT LENGTH	-0.799	3.827			
HOL	REAR ATTACHMENT HEIGHT	USA	REAR UDDER HEIGHT	-2.303	3.323			
HOL	REAR TEAT PLACEMENT	USA	REAR TEAT PLACEMENT	-0.748	3.389			
HOL	ANGULARITY	USA	DAIRY FORM	-2.898	4.061			

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Conversion Factors For Type. Source = INTERBULL MACE 1104  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=ZAF

	c		c	f				
	a		o	o		a	b	t
	n		u	r		v	v	c
b	t		n	t		a	a	o
r	r		t	r		l	l	r
e	a		r	a		u	u	r
e	i		y	i				

HOL	STATURE	ZAF	STATURE	-4.501	11.040
HOL	CHEST WIDTH	ZAF	CHEST WIDTH	-0.324	16.836
HOL	BODY DEPTH	ZAF	BODY DEPTH	-2.763	15.383
HOL	PIN WIDTH	ZAF	RUMP WIDTH	-2.024	16.624
HOL	RUMP ANGLE	ZAF	RUMP ANGLE	0.366	12.844
HOL	FOOT ANGLE	ZAF	FOOT ANGLE	-1.025	18.028
HOL	REAR LEGS SIDE VIEW	ZAF	REAR LEG SET	0.193	23.568
HOL	REAR LEG REAR VIEW	ZAF	REAR LEG REAR VIEW	-0.432	15.659
HOL	UDDER DEPTH	ZAF	UDDER DEPTH	-2.492	13.855
HOL	MEDIAN SUSPENSORY	ZAF	MEDIAN SUSPENSORY	-1.429	15.395
HOL	FORE ATTACHMENT	ZAF	FORE UDDER	-1.836	13.892
HOL	TEAT PLACEMENT	ZAF	FRONT TEAT PLACEMENT	-0.733	15.099
HOL	TEAT LENGTH	ZAF	TEAT LENGTH	-0.204	9.876
HOL	REAR ATTACHMENT HEIGHT	ZAF	REAR UDDER HEIGHT	-4.030	16.394
HOL	ANGULARITY	ZAF	ANGULARITY	-3.136	12.907

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CALCULATION OF FAT% AND PROTEIN% FOR APRIL 2011

BREED	BMILK	BFAT	BPRT
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AYS	7320	295	246
BSW	7988	326	278
CN	5285	227	188
GUE	6709	303	231
JER	6256	305	239
HOL	9606	359	308
MS	6506	230	215

$$EBVFAT\% = 200 * [ (BFAT + EBVFAT * 0.5) / (BMILK + EBVMILK * 0.5) - (BFAT / BMILK) ]$$

$$EBVPROT\% = 200 * [ (BPRT + EBVPRT * 0.5) / (BMILK + EBVMILK * 0.5) - (BPRT / BMILK) ]$$

EXAMPLE :

A HOLSTEIN bull has EBV MILK=+1000, EBVFAT=+50, EBVPROT=+40

$$EBVFAT\% = 200 * [ (359 + 50 * .5) / (9606 + 1000 * .5) - (359 / 9606) ]$$

$$= 200 * [ (359 + 25) / (9606 + 500) - (0.03737) ]$$

$$= 200 * [ 0.03800 - 0.03737 ]$$

$$= 200 * 0.00062$$

$$= 0.12$$

$$EBVPROT\% = 200 * [ (308 + 40 * .5) / (9606 + 1000 * .5) - (308 / 9606) ]$$

$$= 200 * [ (308 + 20) / (9606 + 500) - (0.03206) ]$$

$$= 200 * [ 0.03246 - 0.03206 ]$$

$$= 200 * 0.00039$$

$$= 0.08$$