

**FOR USE IN WOMEN 2nd, 3rd TRIMESTER ONLY**

Use charts to estimate the **Maximum Allowable Blood Loss** to produce a post-op Hb of 80 or 100g/L

Blood volume assumed @ 100ml/kg	<b>MABL mL, target haemoglobin 80g/L</b> ≤500, 501-1000, 1001-2000, 2001-3000, 3001-4000, >4000													
	Initial Hb	85	90	95	105	110	115	120	125	130	135	140	145	150
Kg (value used e.g. 55, 65)														
40-50	218	424	617	973	1137	1292	1440	1580	1714	1842	1964	2080	2191	
50-60	267	518	754	1189	1389	1579	1760	1932	2095	2251	2400	2542	2678	
60-70	315	612	891	1405	1642	1867	2080	2283	2476	2660	2836	3004	3165	
70-80	364	706	1029	1622	1895	2154	2400	2634	2857	3070	3273	3467	3652	
80-90	412	800	1166	1838	2147	2441	2720	2985	3238	3479	3709	3929	4139	
90-100	461	894	1303	2054	2400	2728	3040	3337	3619	3888	4145	4391	4626	
100-110	509	988	1440	2270	2653	3015	3360	3688	4000	4298	4582	4853	5113	
110-120	558	1082	1577	2486	2905	3303	3680	4039	4381	4707	5018	5316	5600	
120-130	606	1176	1714	2703	3158	3590	4000	4390	4762	5116	5455	5778	6087	
130-140	655	1271	1851	2919	3411	3877	4320	4741	5143	5526	5891	6240	6574	

Blood volume assumed @ 100ml/kg	<b>MABL mL, target haemoglobin 100g/L</b> ≤500, 501-1000, 1001-2000, 2001-3000, 3000-4000, >4000										NB In <b>pre-eclampsia</b> haemoconcentration occurs, MABL may be over-estimated, use blood volume 70ml/kg
	Initial Hb	105	110	115	120	125	130	135	140	145	
Kg (value used e.g. 55, 65)											
40-50	220	429	628	818	1000	1174	1340	1500	1653	1800	
50-60	268	524	767	1000	1222	1435	1638	1833	2020	2200	
60-70	317	619	907	1182	1444	1696	1936	2167	2388	2600	
70-80	366	714	1047	1364	1667	1957	2234	2500	2755	3000	
80-90	415	810	1186	1545	1889	2217	2532	2833	3122	3400	
90-100	463	905	1326	1727	2111	2478	2830	3167	3490	3800	
100-110	512	1000	1465	1909	2333	2739	3128	3500	3857	4200	
110-120	561	1095	1605	2091	2556	3000	3426	3833	4224	4600	
120-130	610	1190	1744	2273	2778	3261	3723	4167	4592	5000	
130-140	659	1286	1884	2455	3000	3522	4021	4500	4959	5400	

**\*MABL = Wt x Blood Volume x**  
**initial Hb - target Hb**  
**average of initial Hb & target Hb**

\*MABL equation corrects for the dilutional effect of ongoing blood loss if adequately replaced by colloid/crystalloid. Anesthesiology 1983;58(3):177-80

Prepared by Richard Seigne on behalf of the Transfusion Committee, 2003

Use these charts to estimate the **Maximum Allowable Blood Loss** to produce a post-op Hb of 80 or 100g/L

Blood volume <90kg 70mL/kg >90kg 60mL/kg	<b>MABL mL, target haemoglobin 80g/L</b> 501-1000, 1001-2000, 2001-3000, 3001-4000, >4000														
	Initial Hb	95	100	105	110	115	120	125	130	135	140	145	150	155	160
Kg (value used e.g. 55, 65)															
40-50	540	700	851	995	1131	1260	1383	1500	1612	1718	1820	1917	2011	2100	
50-60	660	856	1041	1216	1382	1540	1690	1833	1970	2100	2224	2343	2457	2567	
60-70	780	1011	1230	1437	1633	1820	1998	2167	2328	2482	2629	2770	2904	3033	
70-80	900	1167	1419	1658	1885	2100	2305	2500	2686	2864	3033	3196	3351	3500	
80-90	1020	1322	1608	1879	2136	2380	2612	2833	3044	3245	3438	3622	3798	3967	
90-100	977	1267	1541	1800	2046	2280	2502	2714	2916	3109	3293	3470	3638	3800	
100-110	1080	1400	1703	1989	2262	2520	2766	3000	3223	3436	3640	3835	4021	4200	
110-120	1183	1533	1865	2179	2477	2760	3029	3286	3530	3764	3987	4200	4404	4600	
120-130	1286	1667	2027	2368	2692	3000	3293	3571	3837	4091	4333	4565	4787	5000	
130-140	1389	1800	2189	2558	2908	3240	3556	3857	4144	4418	4680	4930	5170	5400	

Blood volume <90kg 70mL/kg >90kg 60mL/kg	<b>MABL mL, target haemoglobin 100g/L</b> ≤500, 501-1000, 1001-2000, 2001-3000, >3000												Prepared by Richard Seigne on behalf of the Transfusion Committee, 2003.	
	Initial Hb	105	110	115	120	125	130	135	140	145	150	155		160
Kg (value used e.g. 55, 65)														
40-50	154	300	440	573	700	822	938	1050	1157	1260	1359	1454		
50-60	188	367	537	700	856	1004	1147	1283	1414	1540	1661	1777		
60-70	222	433	635	827	1011	1187	1355	1517	1671	1820	1963	2100		
70-80	256	500	733	955	1167	1370	1564	1750	1929	2100	2265	2423		
80-90	290	567	830	1082	1322	1552	1772	1983	2186	2380	2567	2746		
90-100	278	543	795	1036	1267	1487	1698	1900	2094	2280	2459	2631		
100-110	307	600	879	1145	1400	1643	1877	2100	2314	2520	2718	2908		
110-120	337	657	963	1255	1533	1800	2055	2300	2535	2760	2976	3185		
120-130	366	714	1047	1364	1667	1957	2234	2500	2755	3000	3235	3462		
130-140	395	771	1130	1473	1800	2113	2413	2700	2976	3240	3494	3738		
If more accurate MABL required use adjacent blood volumes, mL/kg,		<b>Male</b>	<b>Female</b>		<b>Male</b>	<b>Female</b>			*MABL = Wt x Blood Volume x $\frac{\text{initial Hb} - \text{target Hb}}{\text{average of initial Hb \& target Hb}}$					
	Normal	70	65	Thin	65	60								
	Obese	60	55	Muscular	75	70								

\*MABL equation corrects for the dilutional effect of ongoing blood loss if adequately replaced by colloid/crystalloid. Anesthesiology 1983;58(3):177-80