

# Fluid Requirement - Fluid conversion chart

Fluid Requirement ml per:			Body Weight (Kg)	60-drop/ml chamber			20-drop/ml chamber		
24 hrs	Hour	Min		Drops/MIN	Drops/SEC	Secs/Drop	Drops/MIN	Drops/SEC	Secs/Drop
25	1	0.02	0.5	1	XX	57.6	XX	XX	XX
50	2	0.03	1	2	XX	28.8	XX	XX	XX
75	3	0.05	1.5	3	0.1	19.2	XX	XX	XX
100	4	0.07	2	4	0.1	14.4	XX	XX	XX
125	5	0.09	2.5	5	0.1	11.5	1.7	0.03	34.6
150	6	0.1	3	6	0.1	9.6	2	0.03	28.8
175	7	0.12	3.5	7	0.1	8.2	2.5	0.04	24.7
200	8	0.14	4	8	0.1	7.2	3	0.05	21.6
250	10	0.17	5	10	0.2	5.8	3.5	0.06	17.3
300	13	0.21	6	13	0.2	4.8	4	0.07	14.4
350	15	0.24	7	15	0.2	4.1	5	0.1	12.3
400	17	0.28	8	17	0.3	3.6	6	0.1	10.8
500	21	0.35	10	21	0.3	2.9	7	0.1	8.6
600	25	0.42	12	25	0.4	2.4	8	0.1	7.2
700	29	0.49	14	29	0.5	2.1	10	0.2	6.2
800	33	0.56	16	33	0.6	1.8	11	0.2	5.4
900	38	0.63	18	38	0.6	1.6	13	0.2	4.8
1,000	42	0.69	20	42	0.7	1.4	14	0.2	4.3
1,250	52	0.87	25	52	0.9	1.2	17	0.3	3.5
1,500	63	1.0	30	63	1.0	1.0	21	0.3	2.9
1,750	73	1.2	35	73	1.2	0.8	24	0.4	2.5
2,000	83	1.4	40	83	1.4	0.7	28	0.5	2.2
2,500	104	1.7	50	104	1.7	0.6	35	0.6	1.7
3,000	125	2.1	60	125	2.1	0.5	42	0.7	1.4
3,500	146	2.4	70	146	2.4	0.4	49	0.8	1.2
4,000	167	2.8	80	167	2.8	0.4	56	0.9	1.1
5,000	208	3.5	100	208	3.5	0.3	69	1.2	0.9
6,000	250	4.2	120	250	4.2	0.2	83	1.4	0.7
7,000	292	4.9	140	XX	XX	XX	97	1.6	0.6
8,000	333	5.6	160	XX	XX	XX	111	1.9	0.5
9,000	375	6.3	180	XX	XX	XX	125	2.1	0.5
10,000	417	6.9	200	XX	XX	XX	139	2.3	0.4

## Using the Conversion Chart...

1. Calculate the total fluid requirement for a given period and decide on best chamber drop size
2. Locating this figure in one of the three left-hand columns,
3. Check drip rate for that fluid volume in one of columns the 60-drop or 20-drop/ml chamber rates



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\* "mls/24 hrs" assumes maintenance fluid requirements of 50 ml/kg/day, but NO extraordinary losses such as vomiting or diarrhoea. Extraordinary Loses can be very significant. Higher maintenance rates are normally required in juvenile animals.

\* At 5% dehydration, the same volume needs replacing as is required for 24 hrs maintenance (assuming 50ml/kg/d)  
Aim to replace 50% of estimated deficit over the first 2 hours in assessed aliquots. Add balance to the first 24 hrs maintenance total.

\* Always consult manufacturers' recommendations when selecting fluids.

\* Take care with the rates of infusion.