

Drip Rate conversion chart

Using the conversion chart

Our drip conversion chart allows easy conversion of fluid and flow requirements into simple measurable rates for 20 & 60-drop/ml sets. You can use the chart to calculate flow/drop rate based on either **daily fluid requirement** or based on **body weight** at standard rates of ml/kg/hr.

For low flow rates, use the 'Seconds per drip' calculation; for higher flow rates, the 'Drops per second' is easier to use.

Daily Requirement calculation

Calculate the approximate daily requirement from the left column, then simply convert to the drop equivalent for either 20 or 60-drop/ml sets.

Body Weight basis

This information is included for anyone using a 'ml/kg/hr' basis of fluid requirement. When a patient presents requiring a different rate, simply use appropriate proportions of the two figures provided as appropriate.

Volume Required (Mls)		Body Weight (Kg) Based on hourly rates of:		60-drop/ml set			20-drop/ml set		
Per Day	Per Hour	2 ml/kg/hr	5 ml/kg/hr	Drops per MIN	Drops per second	Secs per Drop	Drops per MIN	Drops per second	Secs per Drop
25	1	0.5	0.2	1	XX	57.6	XX	XX	XX
50	2	1	0.4	2	XX	28.8	XX	XX	XX
75	3	1.5	0.6	3	0.1	19.2	XX	XX	XX
100	4	2	0.8	4	0.1	14.4	XX	XX	XX
125	5	2.5	1.0	5	0.1	11.5	1.7	0.03	34.6
150	6	3	1.2	6	0.1	9.6	2	0.03	28.8
175	7	3.5	1.4	7	0.1	8.2	2.5	0.04	24.7
200	8	4	1.6	8	0.1	7.2	3	0.05	21.6
250	10	5	2.0	10	0.2	5.8	3.5	0.06	17.3
300	13	6	2.4	13	0.2	4.8	4	0.07	14.4
350	15	7	2.8	15	0.2	4.1	5	0.1	12.3
400	17	8	3.2	17	0.3	3.6	6	0.1	10.8
500	21	10	4.0	21	0.3	2.9	7	0.1	8.6
600	25	12	4.8	25	0.4	2.4	8	0.1	7.2
700	29	14	5.6	29	0.5	2.1	10	0.2	6.2
800	33	16	6.4	33	0.6	1.8	11	0.2	5.4
900	38	18	7.2	38	0.6	1.6	13	0.2	4.8
1,000	42	20	8.0	42	0.7	1.4	14	0.2	4.3
1,250	52	25	10	52	0.9	1.2	17	0.3	3.5
1,500	63	30	12	63	1.0	1.0	21	0.3	2.9
1,750	73	35	14	73	1.2	0.8	24	0.4	2.5
2,000	83	40	16	83	1.4	0.7	28	0.5	2.2
2,500	104	50	20	104	1.7	0.6	35	0.6	1.7
3,000	125	60	24	125	2.1	0.5	42	0.7	1.4
3,500	146	70	28	146	2.4	0.4	49	0.8	1.2
4,000	167	80	32	167	2.8	0.4	56	0.9	1.1
5,000	208	100	40	208	3.5	0.3	69	1.2	0.9
6,000	250	120	48	250	4.2	0.2	83	1.4	0.7
7,000	292	140	56	XX	XX	XX	97	1.6	0.6
8,000	333	160	64	XX	XX	XX	111	1.9	0.5
9,000	375	180	72	XX	XX	XX	125	2.1	0.5
10,000	417	200	80	XX	XX	XX	139	2.3	0.4

Conversion rates are approximate. Ensure you monitor your patient's requirements. Remember to check the chamber drop size and **always** count the chamber drop rate when making adjustments.