

# Easypump® II ST/LT

## Delivery Times and Flow Rate Influencing Factors

When filled to the labeled volume and working under nominal conditions, Easypump® II ST/LT flow accuracy is +/- 15% of the labeled flow rate. NOMINAL CONDITIONS: **Diluent:** 0.9% NaCl, **Temperature:** 23°C. The following table provides you with the delivery range of each pump size considering an accuracy of +/- 15% under nominal conditions. Please consider that flow rate influencing factors such as temperature, viscosity of diluent, pump position etc. can significantly change the times given in the table.

### DELIVERY TIMES ACCORDING TO THE SPECIFICATION

	Article Code	Product Description	Delivery Time according to Product Description	Nominal Delivery Time	Min. Delivery Time (-15%)	Max. Delivery Time (+15%)	Difference from Nominal
ST	4540040	Easypump® II ST 100-0.5-S	0.5 h	30 min	25 min	35 min	(+/-) 5 min
	4540042	Easypump® II ST 250-0.5-S	0.5 h	30 min	25 min	35 min	(+/-) 5 min
	4540044	Easypump® II ST 50-1-S	1 h	1 h	51 min	1 h 9 min	(+/-) 9 min
	4540046	Easypump® II ST 100-1-S	1 h	1 h	51 min	1 h 9 min	(+/-) 9 min
	4540048	Easypump® II ST 250-1-S	1 h	1 h	51 min	1 h 9 min	(+/-) 9 min
	4540050	Easypump® II ST 250-1.5-S	1.5 h	1 h 30 min	1 h 16 min	1 h 44 min	(+/-) 14 min
	4540052	Easypump® II ST 400-2-S	2 h	2 h	1 h 42 min	2 h 18 min	(+/-) 18 min
	4540054	Easypump® II ST 500-2-S	2 h	2 h	1 h 42 min	2 h 18 min	(+/-) 18 min
	4540056	Easypump® II ST 100-2-S	2 h	2 h	1 h 42 min	2 h 18 min	(+/-) 18 min
	4540058	Easypump® II ST 400-4-S	4 h	4 h	3 h 24 min	4 h 36 min	(+/-) 36 min
LT	4540002	Easypump® II LT 60-12-S	12 h	12 h	10 h 12 min	13 h 48 min	(+/-) 1 h 48 min
	4540003	Easypump® II LT 500-12.5-S	12.5 h	12 h 30 min	10 h 38 min	14 h 22 min	(+/-) 1 h 52 min
	4540004	Easypump® II LT 80-16-S	16 h	16 h	13 h 38 min	18 h 22 min	(+/-) 2 h 22 min
	4540006	Easypump® II LT 125-25-S	25 h	1 d 1 h	21 h 15 min	1 d 4 h 45 min	(+/-) 3 h 45 min
	4540008	Easypump® II LT 270-27-S	27 h	1 d 3 h	22 h 57 min	1 d 7 h 3 min	(+/-) 4 h 3 min
	4540010	Easypump® II LT 60-30-S	30 h	1 d 6 h	1 d 1 h 30 min	1 d 10 h 30 min	(+/-) 4 h 30 min
	4540012	Easypump® II LT 120-30-S	30 h	1 d 6 h	1 d 1 h 30 min	1 d 10 h 30 min	(+/-) 4 h 30 min
	4540014	Easypump® II LT 400-40-S	40 h	1 d 16 h	1 d 10 h	1 d 22 h	(+/-) 6 h
	4540016	Easypump® II LT 100-50-S	50 h	2 d 2 h	1 d 18 h 30 min	2 d 9 h 30 min	(+/-) 7 h 30 min
	4540018	Easypump® II LT 270-54-S	54 h	2 d 6 h	1 d 21 h 54 min	2 d 14 h 6 min	(+/-) 8 h 6 min
	4540020	Easypump® II LT 120-60-S	60 h	2 d 12 h	2 d 3 h	2 d 21 h	(+/-) 9 h
	4540022	Easypump® II LT 400-80-S	80 h	3 d 8 h	2 d 20 h	3 d 20 h	(+/-) 12 h
	4540024	Easypump® II LT 100-67-S	67 h	2 d 19 h	2 d 9 h 57 min	3 d 5 h 3 min	(+/-) 10 h 3 min
	4540026	Easypump® II LT 270-68-S	68 h	2 d 20 h	2 d 9 h 48 min	3 d 6 h 12 min	(+/-) 10 h 12 min
	4540028	Easypump® II LT 400-100-S	100 h	4 d 4 h	3 d 13 h	4 d 19 h	(+/-) 15 h
	4540030	Easypump® II LT 65-130-S	130 h	5 d 10 h	4 d 14 h 30 min	6 d 5 h 30 min	(+/-) 19 h 30 min
	4540032	Easypump® II LT 270-135-S	135 h	5 d 15 h	4 d 18 h 45 min	6 d 5 h 35 min	(+/-) 20 h 15 min
	4540034	Easypump® II LT 300-150-S	150 h	6 d 6 h	5 d 7 h 30 min	7 d 4 h 30 min	(+/-) 22 h 30 min

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## Delivery Times and Flow Rate Influencing Factors

Certain factors may impact the flow rate which can result in longer or shorter infusion times during treatment. This information sheet outlines these factors and offers helpful handling instructions.

### FLOW RATE INFLUENCING FACTORS AND HANDLING RECOMMENDATIONS



#### TEMPERATURE

Easypump® II ST/LT fluid reservoir is calibrated to work at room temperature (23°C +/- 2°C).

The flow restrictor is calibrated to work at a temperature of 31°C.

- Avoid placing the pump under covers or blankets.
- Avoid situations that can result in excessive temperature changes to the fluid reservoir.
- Avoid exposing the pump to direct sunlight.
- Avoid wearing the pump reservoir underneath clothes in direct contact to the skin.
- If the pump was refrigerated, allow it to reach room temperature prior to use.

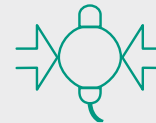
- Tape the flow restrictor to the patient's skin.



#### VISCOSITY

Easypump® II ST/LT flow rates are calculated based on the use of 0.9% Sodium Chloride as the diluent.

- Using a diluent with a higher viscosity than 0.9% Sodium Chloride will decrease the flow rate.



#### EXTERNAL PRESSURE

External pressure such as squeezing or laying on the pump increases the flow rate.

- Avoid unnecessary external pressure on the pump.
- Avoid sitting or laying on the pump.
- The pump can be placed on a bedside table when in bed.



#### PUMP POSITION

Easypump® II ST/LT should be positioned approx. at the same level as the venous access device (VAD).

- Avoid placing the pump on the floor.
- Avoid hanging the pump from a bed post or IV pole.
- When standing or walking, the pump can be placed into a transportation bag and worn around the waist or chest, depending on the VAD.

Placing Easypump® II ST/LT at a higher or lower level than the VAD may result in an altered flow rate.



#### ACTIVITY

Activity that increases the patient's body temperature or blood pressure may affect the flow rate.

- Avoid vigorous physical exercise that could increase body temperature or blood pressure.



#### FILL VOLUME

The flow rate is most accurate when filled to the labeled volume.

- Avoid exceeding the maximum fill volume as noted in the product IFU.
- Avoid filling less than the minimum fill volume as noted in the product IFU.