

Clinician Guide







Product Overview

DOSI-FUSER[®] is a single-use, continuous-infusion pump for ambulatory patients that works without batteries or electricity. It consists of an elastomeric balloon inside a rigid, transparent container and an infusion line with the Capillary Element and a Luer-Lock connector that attaches to the patient.

After the balloon is inflated, the medication flows through the Capillary Element as a result of the pressure from the elastomeric balloon, which determines the flow rate.

The DOSI-FUSER[®] is designed for safe ambulatory infusion therapy; it promotes patient recovery and improves quality of life by increasing patient mobility and removing the inconvenience of electronic pumps.

INDICATIONS

- > Chemotherapy
- > Pain Management
- > Antibiotic therapy

ADMINISTRATION ROUTES

- > Intravenous
- > Intra-arterial
- > Epidural
- > Subcutaneous

Advantages Over Electronic Pumps:

- 100% disposable device
- Easy to use
- Portable lightweight and small
- Non-electronic device no batteries or power source required
- No programming required select from a wide range
- No calibration required

- No option to change the parameters fixed flow
- No loud mechanism silent
- No maintenance required
- No capital investment needed profitable



Main Product Features:

- Unique DOSI-FUSER® DESIGNED CAPILLARY
- Specially designed guided balloon with Scale Indicator
- Easy to fill, even by hand
- Full product range with easy identification by coloured labels



Features, Advantages & Benefits

RESERVOIR

• Complete range:

65, 100, 150 and 250 ml

• Rigid plastic housing:

Protects against external pressure on the balloon. In case of incidents, it ensures that the drug inside remains

• UV-light protected:

Protects light-sensitive drugs from UV radiation of up to 390 nm

• Polyisoprene balloon reservoir:

The best mechanical performance Proven compatibility with drugs: does not absorb them (DOSI-FUSER® drug stability table available on request)

• Independent entry and exit points:

Fills drug directly into the balloon

• Guided balloon:

Lower filling pressure Accurate Scale Indicator: makes it possible to monitor development of the infusion

- Lightweight and portable
- Shape- and colour-coded labels: simple and easy to understand
- Blue bag for transport and light protection



INFUSION LINE

- Infusion line to patient: DEHP-free, kink-resistant
- Safety in-line filters: 1.2-µm particle filter and 0.03-µm air-removal filte
- Removable clamp



FLOW CONTROL

- Complete range: Fast-Flow: from 30 minutes to 12 hours. Slow-Flow: from 1 to 11 days.
- Unique patented DOSI-FUSER® Capillary Element:
 - Wider channel: reduces the risk of clogging due to drug crystallization
 - Longer channel: provides improved output flow stability
 - Flat design, optimal thermal stability on the skin. Calibrated at 32°C (89.6°F).
 - Located 10 cm (4 inch) from distal end for easier dressing and patient comfort.

EVOLUTION GRAPH: DOSI-FUSER® INFUSION FLOW RATE OF 100D2 MODEL



HAGEN-POISEUILLE LAW

F =-

d F

F: *Flow rate* (ml/h) P: Pressure (g/(cm·h²)) d: *Diameter of tube* (cm) π: 3.1416 L: *Length*(cm) ŋ:Liquid viscosity (g/(cm·h))

INFUSION PARAMETERS

- Precision ±15% of the Infusion Time. Operative accuracy ±10%*.
- The DOSI-FUSER® administers 90% of the nominal volume in the nominal delivery time.

* This % is the accuracy of the average flow of the tested samples of each batch number, measured in delivery time.

SLOW-FLOW CONTINUOUS INFUSION

1125915-065H1DOSI-FUSER 65H12.5 ml5.4 ml / hr12 horas101125915-065D1DOSI-FUSER 65D3051-FUSER 100D10.5 ml / hr3 dias0.9 ml / hr10 ml0.9 ml / hr3 dias0.9 ml / hr3 dias0.9 ml / hr10 ml0.9 ml / hr3 dias0.9 ml / hr10 ml0.9 ml / hr10 ml10 ml </th <th>Label Colour</th> <th>Code A</th> <th>Description</th> <th>Nominal Volume</th> <th>Residual Volume B</th> <th>Nominal Flow Rate</th> <th>Nomina Delivery Time</th> <th>Maximum Volume</th> <th>Units / Case</th>	Label Colour	Code A	Description	Nominal Volume	Residual Volume B	Nominal Flow Rate	Nomina Delivery Time	Maximum Volume	Units / Case
1125915-065D1DOSI-FUSER 65D1 DOSI-FUSER 65D265 ml2.7 ml / hr1 día 1.3 ml / hr2 días 0.9 ml / hr80 ml101125915-065D3DOSI-FUSER 65D3DOSI-FUSER 65D30.9 ml / hr3 días10101125915-065D5DOSI-FUSER 65D5DOSI-FUSER 65D50.5 ml / hr5 días10101125915-100D1DOSI-FUSER 100D10.9 ml / hr1 día4.1 ml / hr1 día101125915-100D2DOSI-FUSER 100D20.9 ml / hr2 días1010101125915-100D3DOSI-FUSER 100D3100 ml3.5 ml1.4 ml / hr3 días10101125915-100D5DOSI-FUSER 150D7DOSI-FUSER 150D70.8 ml / hr5 days1010101125915-150D1DOSI-FUSER 150D7DOSI-FUSER 150D2150 ml4 ml1 día1010101125915-150D3DOSI-FUSER 150D3DOSI-FUSER 150D7150 ml1.2 ml / hr3 días1010101125915-150D7DOSI-FUSER 150D7DOSI-FUSER 150D7150 ml1.2 ml / hr3 días101010101125915-150D7DOSI-FUSER 250D1DOSI-FUSER 250D11.2 ml / hr3 días10<		L25915-065H12	DOSI-FUSER 65H12		2.5 ml	5.4 ml / hr	12 horas	80 ml	10
L25915-065D2DOSI-FUSER 65D2DOSI-FUSER 65D3DOSI-FUSER 100D1DOSI-FUSER 100D1DOSI-FUSER 100D3DOSI-FUSER 100D3DOSI-FUSER 100D3DOSI-FUSER 100D3DOSI-FUSER 100D3DOSI-FUSER 100D3DOSI-FUSER 100D3DOSI-FUSER 100D3DOSI-FUSER 150D1DOSI-FUSER 150D1DOSI-FUSER 150D1DOSI-FUSER 150D1DOSI-FUSER 150D1DOSI-FUSER 150D1DOSI-FUSER 150D1DOSI-FUSER 150D1DOSI-FUSER 150D1DOSI-FUSER 150D3DOSI-FUSER 250D1DOSI-FUSER 250D1DOSI-FUSER 250D1DOSI-FUSER 250D1DOSI-FUSER 250D1DOSI-FUSER 250D1DOSI-FUSER 250D3DOSI-FUSER 250D3DOSI-FUSER 250D3DOSI-FUSER 250D3DOSI-FUSER 250D3DOSI-FUSER 250D3DOSI-FUSER 250D3DOSI-FUSER 250D1DOSI-FUSER 250D1DO		L25915-065D1	DOSI-FUSER 65D1			2.7 ml / hr	1 día		10
111		L25915-065D2	DOSI-FUSER 65D2	65 ml		1.3 ml / hr	2 días		10
L25915-065D5DOSI-FUSER 65D5O0.5 ml / hr5 días10L25915-100D1DOSI-FUSER 100D1L25915-100D3DOSI-FUSER 100D31.4 ml / hr1 día1.30 ml10L25915-100D5DOSI-FUSER 100D3DOSI-FUSER 100D31.4 ml / hr3 días1.30 ml10L25915-100D5DOSI-FUSER 100D5DOSI-FUSER 150D70.6 ml / hr5 días10L25915-150D1DOSI-FUSER 150D70.6 ml / hr7 días10L25915-150D2DOSI-FUSER 150D10.51-FUSER 150D20.6 ml / hr1 díaL25915-150D3DOSI-FUSER 150D20.51-FUSER 150D23.1 ml / hr2 díasL25915-150D5DOSI-FUSER 150D51.50 ml4 ml3.1 ml / hr3 díasL25915-150D5DOSI-FUSER 150D71.50 ml4 ml5 días10L25915-150D5DOSI-FUSER 150D71.50 ml1.2 ml / hr3 días10L25915-250D1DOSI-FUSER 250D10.51-FUSER 150D70.9 ml / hr7 días10L25915-250D1DOSI-FUSER 250D15 ml5 ml5.2 ml / hr2 días10L25915-250D3DOSI-FUSER 250D3250 ml5 ml5.2 ml / hr3 días10L25915-250D5DOSI-FUSER 250D3250 ml5 ml5 ml5.2 ml / hr3 días10L25915-250D7DOSI-FUSER 250D5250 ml5 ml5 ml1.5 ml / hr7 días10L25915-250D1DOSI-FUSER 250D70.9 ml / hr1 días1.5 ml / hr7 días10L25915-250D7		L25915-065D3	DOSI-FUSER 65D3			0.9 ml / hr	3 días		10
1L25915-100D1 L25915-100D3DOSI-FUSER 100D2 DOSI-FUSER 100D3100 ml3.5 ml4.1 ml / hr1 día1.30 ml101L25915-100D3DOSI-FUSER 100D3DOSI-FUSER 100D3100 ml3.5 ml1.4 ml / hr3 días10101L25915-100D5DOSI-FUSER 100D5DOSI-FUSER 150D70.6 ml / hr5 days10101L25915-150D1DOSI-FUSER 150D7DOSI-FUSER 150D70.6 ml / hr7 días10101L25915-150D2DOSI-FUSER 150D2DOSI-FUSER 150D26.2 ml / hr1 día10101L25915-150D3DOSI-FUSER 150D7150 ml4 ml3 días1010101L25915-150D5DOSI-FUSER 150D7150 ml1.1 ml / hr3 días1010101L25915-150D5DOSI-FUSER 150D7150 ml1.5 ml / hr3 días1010101L25915-150D7DOSI-FUSER 250D11.5 ml / hr1 día101010101L25915-250D2DOSI-FUSER 250D2250 ml5 ml5 ml / hr3 días10101L25915-250D5DOSI-FUSER 250D7250 ml5 ml3 días265/300 ml/ hr10101L25915-250D7DOSI-FUSER 250D7250 ml5 ml5 ml / hr3 días10101L25915-250D7DOSI-FUSER 250D7250 ml5 ml / hr5 días1010101L25915-250D7DOSI-FUSER 25		L25915-065D5	DOSI-FUSER 65D5			0.5 ml / hr	5 días		10
$ \begin{array}{ c c c c c } \hline \ \ \ \ \ \ \ \ \ \ \ \ \$		L25915-100D1	DOSI-FUSER 100D1	100 ml	3.5 ml	4.1 ml / hr	1 día	130 ml	10
L25915-100D3 DOSI-FUSER 100D3 100 ml 3.5 ml 1.4 ml / hr 3 días 130 ml 10 L25915-100D5 DOSI-FUSER 100D5 DOSI-FUSER 150D7 0.8 ml / hr 5 days 10 L25913-100D7 DOSI-FUSER 150D7 DOSI-FUSER 150D7 6.2 ml / hr 7 días 10 L25915-150D1 DOSI-FUSER 150D2 DOSI-FUSER 150D2 6.2 ml / hr 1 día 10 L25915-150D2 DOSI-FUSER 150D2 DOSI-FUSER 150D3 150 ml 4 ml 4 ml 2 días 10 L25915-150D5 DOSI-FUSER 150D3 DOSI-FUSER 150D3 150 ml 4 ml 4 ml 3 días 180 ml 10 L25915-150D5 DOSI-FUSER 150D5 DOSI-FUSER 150D7 150 ml 10 1.2 ml / hr 3 días 10 L25915-150D7 DOSI-FUSER 250D1 DOSI-FUSER 250D1 10SI-FUSER 250D1 10.4 ml / hr 1 día 10 L25915-250D5 DOSI-FUSER 250D3 20SI-FUSER 250D3 5 ml 5 ml / hr 3 días 265/300 ml* 10 L25915-250D5 DOSI-FUSER 250D5 250 ml 5 ml 5 ml / hr 3 días 10		L25915-100D2	DOSI-FUSER 100D2			2.0 ml / hr	2 días		10
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Image: L25913-100D7DOSI-FUSER 150D7OMOMO.6 ml / hr7 días10L25915-150D1DOSI-FUSER 150D2125915-150D2DOSI-FUSER 150D23.1 ml / hr2 días10L25915-150D3DOSI-FUSER 150D3150 ml150 ml4 ml2.1 ml / hr3 días10L25915-150D5DOSI-FUSER 150D5DOSI-FUSER 150D5101.2 ml / hr3 días10L25915-150D7DOSI-FUSER 150D7DOSI-FUSER 150D70.9 ml / hr7 días10L25915-250D1DOSI-FUSER 250D1101.2 ml / hr1 día10L25915-250D2DOSI-FUSER 250D2101.2 ml / hr1 día10L25915-250D3DOSI-FUSER 250D2101.2 ml / hr1 día10L25915-250D5DOSI-FUSER 250D5250 ml5 ml5 ml / hr3 días265/300 ml / hrL25915-250D5DOSI-FUSER 250D5250 ml5 ml / hr3 días10L25915-250D5DOSI-FUSER 250D5250 ml1.5 ml / hr7 días10L25915-250D5DOSI-FUSER 250D50.5 FUSER 250D51.5 ml / hr7 días10L25915-250D5DOSI-FUSER 250D50.5 FUSER 250D51.5 ml / hr7 días10L25915-250D5DOSI-FUSER 250D50.5 FUSER 250D51.5 ml / hr7 días10L25915-250D5DOSI-FUSER 250D50.5 FUSER 250D11.5 ml / hr1 días10L25915-250D1DOSI-FUSER 250D10.9 ml / hr11 días10		L25915-100D5	DOSI-FUSER 100D5			0.8 ml / hr	5 days		10
$ \begin{array}{ c c c c c c } \hline L25915-150D1 & DOSI-FUSER 150D1 \\ \hline L25915-150D2 & DOSI-FUSER 150D2 \\ \hline L25915-150D3 & DOSI-FUSER 150D3 \\ \hline L25915-150D5 & DOSI-FUSER 150D5 \\ \hline L25915-150D7 & DOSI-FUSER 150D7 \\ \hline L25915-250D1 & DOSI-FUSER 250D1 \\ \hline L25915-250D2 & DOSI-FUSER 250D2 \\ \hline L25915-250D2 & DOSI-FUSER 250D2 \\ \hline L25915-250D3 & DOSI-FUSER 250D2 \\ \hline L25915-250D3 & DOSI-FUSER 250D2 \\ \hline L25915-250D3 & DOSI-FUSER 250D3 \\ \hline L25915-250D3 & DOSI-FUSER 250D2 \\ \hline L25915-250D3 & DOSI-FUSER 250D3 \\ \hline L25915-250D7 & DOSI-FUSER 250D3 \\ \hline L25915-250D7 & DOSI-FUSER 250D3 \\ \hline L25915-250D7 & DOSI-FUSER 250D7 \\ \hline L25915-250D1 & DOSI-FUSER 250D7 \\ \hline L25915-250D7 & DOSI-FUSER 250D7 \\ \hline L25915-25007 & DOSI-FUSER 250D7 \\ \hline L25915-25007 & DOSI-FUSER 25007 \\ \hline L25915-2$		L25913-100D7	DOSI-FUSER 150D7			0.6 ml / hr	7 días		10
$ \begin{array}{ c c c c c c } \hline \begin{tabular}{ c c c c c } \hline \begin{tabular}{ c c c c c c } \hline \begin{tabular}{ c c c c c c c } \hline \\ \hline \begin{tabular}{ c c c c c c c } \hline \begin{tabular}{ c c c c c c c } \hline \\ \hline \begin{tabular}{ c c c c c c c } \hline \\ \hline \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$		L25915-150D1	DOSI-FUSER 150D1	150 ml	4 ml	6.2 ml / hr	1 día	180 ml	10
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L25915-150D5 DOSI-FUSER 150D5 1.2 ml / hr 5 días 10 L25915-150D7 DOSI-FUSER 150D7 DOSI-FUSER 150D7 10 10 L25915-250D1 DOSI-FUSER 250D1 10,4 ml / hr 1 día 10 L25915-250D2 DOSI-FUSER 250D2 10,4 ml / hr 1 día 10 L25915-250D3 DOSI-FUSER 250D2 10,5 FUSER 250D2 10,5 ml / hr 2 días 10 L25915-250D3 DOSI-FUSER 250D3 250 ml 5 ml 1,5 ml / hr 3 días 265/300 ml* 10 L25915-250D7 DOSI-FUSER 250D7 DOSI-FUSER 250D7 250 ml 5 ml 5 ml 5 días 10 L25915-250D7 DOSI-FUSER 250D7 DOSI-FUSER 250D7 20 ml / hr 5 días 10 L25915-250D7 DOSI-FUSER 250D7 00 ml / hr 1 días 10 10 L25915-250D1 DOSI-FUSER 250D1 0 ml / hr 1 días 1 días 1 días		L25915-150D3	DOSI-FUSER 150D3			2.1 ml / hr	3 días		10
L25915-150D7 DOSI-FUSER 150D7 Construction O.9 ml / hr 7 días 10 L25915-250D1 DOSI-FUSER 250D1 DOSI-FUSER 250D2 10.4 ml / hr 1 día 10 L25915-250D2 DOSI-FUSER 250D2 DOSI-FUSER 250D2 10.4 ml / hr 1 día 10 L25915-250D3 DOSI-FUSER 250D2 DOSI-FUSER 250D3 250 ml 5 ml 5 ml 3 días 265/300 ml* 10 L25915-250D5 DOSI-FUSER 250D5 250 ml 250 ml 5 ml 1 find / hr 3 días 10 L25915-250D7 DOSI-FUSER 250D7 DOSI-FUSER 250D7 250 ml 1 find / hr 7 días 10 L25915-250D7 DOSI-FUSER 250D7 DOSI-FUSER 250D7 0 find / hr 1 find / hr 1 find / hr L25915-250D1 DOSI-FUSER 250D7 0 find / hr 1 find / hr 1 find / hr L25915-250D1 DOSI-FUSER 250D1 0 find / hr 1 find / hr 1 find / hr L25915-250D1 DOSI-FUSER 250D1 0 find / hr 1 find / hr 1 find / hr L25915-250D1 DOSI-FUSER 250D		L25915-150D5	DOSI-FUSER 150D5			1.2 ml / hr	5 días		10
L25915-250D1 DOSI-FUSER 250D1 10.4 ml / hr 1 día 10 L25915-250D2 DOSI-FUSER 250D2 DOSI-FUSER 250D2 5.2 ml / hr 2 días 10 L25915-250D3 DOSI-FUSER 250D3 DOSI-FUSER 250D3 250 ml 5.2 ml / hr 3 días 10 L25915-250D5 DOSI-FUSER 250D5 DOSI-FUSER 250D5 250 ml 5 ml 1.5 ml / hr 5 días 10 L25915-250D7 DOSI-FUSER 250D7 DOSI-FUSER 250D7 105I-FUSER 250D7 10 10 L25915-250D1 DOSI-FUSER 250D7 DOSI-FUSER 250D7 10 10 10 L25915-250D1 DOSI-FUSER 250D7 DOSI-FUSER 250D11 10 10 10		L25915-150D7	DOSI-FUSER 150D7			0.9 ml / hr	7 días		10
L25915-250D2 DOSI-FUSER 250D2 5.2 ml / hr 2 días 10 L25915-250D3 DOSI-FUSER 250D3 250 ml 3.5 ml / hr 3 días 10 L25915-250D5 DOSI-FUSER 250D5 250 ml 5 ml 10 10 L25915-250D7 DOSI-FUSER 250D7 DOSI-FUSER 250D7 250 ml 1.5 ml / hr 5 días 10 L25915-250D1 DOSI-FUSER 250D7 DOSI-FUSER 250D7 1.5 ml / hr 7 días 10 L25915-250D1 DOSI-FUSER 250D1 0.9 ml / hr 11 días 10		L25915-250D1	DOSI-FUSER 250D1	250 ml	5 ml	10.4 ml / hr	1 día	265/300 ml*	10
L25915-250D3 DOSI-FUSER 250D3 L25915-250D5 DOSI-FUSER 250D5 L25915-250D7 DOSI-FUSER 250D7 L25915-250D11 DOSI-FUSER 250D11 10 3.5 ml / hr 3 días 265/300 ml* 10 1.5 ml / hr 5 días 10 1.5 ml / hr		L25915-250D2	DOSI-FUSER 250D2			5.2 ml / hr	2 días		10
L25915-250D5 DOSI-FUSER 250D5 250 ml 5 ml 2.1 ml / hr 5 días 10 L25915-250D7 DOSI-FUSER 250D7 DOSI-FUSER 250D7 1.5 ml / hr 7 días 10 L25915-250D1 DOSI-FUSER 250D11 0.9 ml / hr 11 días 10		L25915-250D3	DOSI-FUSER 250D3			3.5 ml / hr	3 días		10
L25915-250D7 DOSI-FUSER 250D7 1.5 ml / hr 7 días 10 L25915-250D11 DOSI-FUSER 250D11 0.9 ml / hr 11 días 10		L25915-250D5	DOSI-FUSER 250D5			2.1 ml / hr	5 días		10
L25915-250D11 D0SI-FUSER 250D11 0.9 ml / hr 11 días 10		L25915-250D7	DOSI-FUSER 250D7			1.5 ml / hr	7 días		10
		L25915-250D11	DOSI-FUSER 250D11			0.9 ml / hr	11 días		10

A Master code. Different configurations for specific countries. Ask your distributor.

B Maximum value.

* Studies show that the operating parameters do not change up to 300 ml of filling volume.

SLOW-FLOW WITH CAPILLARY ELEMENT



FAST-FLOW CONTINUOUS INFUSION

Label Colour	Code A	Description	Nominal Volume	Residual Volume B	Nominal Flow Rate	Nomina Delivery Time	Maximum Volume	Units / Case
	L25915-065M30	DOSI-FUSER 65M30		2.5 ml	130 ml / hr	30 minutes		10
	L25915-065H1	DOSI-FUSER 65H1	65 ml		65 ml / hr	1 hour	80 ml	10
	L25915-065H2	DOSI-FUSER 65H2	05 111		32 ml / hr	2 hours		10
	L25915-065H5	DOSI-FUSER 65H5			13 ml / hr	5 hours		10
	L25915-100M30	DOSI-FUSER 100M30		3.5 ml	200 ml / hr	30 minutes	130 ml	10
	L25915-100H1	DOSI-FUSER 100H1			100 ml / hr	1 hour		10
	L25915-100H2	DOSI-FUSER 100H2	100 ml		50 ml / hr	2 hours		10
	L25915-100H5	DOSI-FUSER 100H5			20 ml / hr	5 hours		10
	L25915-100H12	DOSI-FUSER 100H12			8.3 ml / hr	12 hours		10
	L25915-150M30	DOSI-FUSER 150M30		4 ml	300 ml / hr	30 minutes	180 ml	10
	L25915-150H1	DOSI-FUSER 150H1			150 ml / hr	1 hour		10
	L25915-150H2	DOSI-FUSER 150H2	150 ml		75 ml / hr	2 hours		10
	L25915-150H5	DOSI-FUSER 150H5			30 ml / hr	5 hours		10
	L25915-150H12	DOSI-FUSER 150H12			12 ml / hr	12 hours		10
	L25915-250H1	DOSI-FUSER 250H1		5 ml	250 ml / hr	1 hour	265/300 ml*	10
	L25915-250H2	DOSI-FUSER 250H2	250 ml		125 ml / hr	2 hours		10
	L25913-250H5	DOSI-FUSER 250H5			50 ml / hr	5 hours		10
	L25915-250H12	DOSI-FUSER 250H12			20 ml / hr	12 hours		10

A Master code. Different configurations for specific countries. Ask your distributor.

B Maximum value

* Studies show that the operating parameters do not change up to 300 ml of filling volume.

FAST-FLOW WITH CAPILLARY TUBE



Scale Indicator

ADVANTAGES OF CONTROLLING THE DELIVERY PROGRESSION REGARDING THE NOMINAL VOLUME:

- Confirmation that the balloon has filled up to the expected volume
- Monitoring of the development of the infusion by patient or nursing staff
- In case of an incident, identification of the undelivered volume
- Confirmation of the end of the infusion



Note: The filling volume must be measured by the filling device (syringe...). The Scale Indicator only shows the approximated volume pending of delivery.

Clinical Information

	CLINICAL INFORMATION	GUIDELINES
Viscosity	 The DOSI-FUSER[®] is calibrated by filling it with sodium chloride 0.9%. Some drugs may increase solution viscosity, which results in a delay due to the reduced flow rate. 5% dextrose produces a delay of about 10% of the infusion time. 	 The use of sodium chloride 0.9% is preferred. Note that there is a delay with 5% dextrose or more, or when infusing drugs with high viscosity.
Temperature	 Capillary Elements are calibrated at a skin temperature of 32°C (89.6°F), as temperature affects the liquid viscosity. A 1°C (1.8°F) increase in temperature will speed up the infusion time by 2%. A 1°C (1.8°F) decrease in temperature will delay the infusion time by 2%. Keeping the flow control device at 22°C (71.6°F) will delay the infusion time by 20%. 	 DOSI-FUSER[®]. Attach the Capillary Element to the skin (32°C) to keep the viscosity of the drugs constant. The reservoir should be kept at room temperature. Let the liquid in the reservoir thaw to room temperature.
Filling Volume	 DOSI-FUSER[®] is most accurate when filled at nominal volume. Filling the pump above nominal volume will: Increase the infusion time. Decrease the flow rate slightly. 	 Choose the right DOSI-FUSER® model for your application. Fill DOSI-FUSER® with the nominal volume if possible. Do not fill it above the maximum volume. If 80% of the nominal volume is filled, an additional advance of less than 5% may occur. If it is filled between 60% (minimum volume) and 80% of the nominal volume it can suffer the additional advance of 10%.
Pump Height	 The infusion time depends on the height of the reservoir. Placing the reservoir 2.5 cm (1 inch) above the outlet connector will speed up the infusion time by 0.5%. Placing the reservoir 2.5 cm (1 inch) under the outlet connector will delay the infusion time by 0.5%. 	 Instruct the patient to keep the reservoir near the thoracic trunk if the infusion is intravenous or epidural. Instruct the patient to keep the reservoir near the level of the catheter if the infusion is subcutaneous.
Access	 Infusion time will not be affected by the access device if: A 22-gauge device or wider is used together with Slow-Flow devices. IV catheters, implantable ports or PICC catheters are used together with Slow-Flow devices. An 18-gauge device or wider is used together with Fast-Flow devices. 	 Slow-Flow DOSI-FUSER[®].Use a 22-gauge access device or wider. Fast-Flow DOSI-FUSER[®]. Use an 18-gauge access device or wider. Verify that there is no occlusion in the access device before connecting the DOSI-FUSER[®].
Storage	 DOSI-FUSER[®] is most accurate when the infusion is started immediately after it has been filled with solution at 22°C (71.6°F). Starting the infusion a few days after it has been filled will delay the infusion time: by 5% after one day and by 10% after one week. Starting the infusion when the liquid is below room temperature will also delay the infusion time 	 Be aware that some delay in the infusion time will be related to the storage of the prefilled product. Thaw the product at room temperature (16 hours for 65-ml and 100-ml models and 20 hours for 150-ml and 250-ml models) before the infusion. Leave the product at room temperature for 4 hours for 65-ml and 100-ml models and 6 hours for 150-ml and 250-ml models if it was stored in the refrigerator.

Pharmacy: Filling the DOSI-FUSER®

Verification



Once the packaging has been opened, check that all the components are in perfect condition and that the infusion line is properly closed with the infusion-line cap.

While holding the DOSI-FUSER®, clamp the infusion line and remove the container inlet cap.

Priming



As a general procedure, first fill the DOSI-FUSER[®] with a syringe of 10 ml saline solution.

Unclamp the line and remove the distal cap. The liquid will then flush the line.



Wait for the first drop at the distal connector. Close the connector with the cap. Clamp the line to ensure it is primed only with saline solution.



Filling



Fill a Luer-Lock syringe with the solution. Insert the syringe into the container inlet and push the solution into the balloon.

The solution should be introduced at a constant speed, without sudden spurts. The balloon will expand symmetrically along the inner guide and the indicator will move along the scale.

Remove the syringe once the required total volume has been introduced into the balloon (if more than one syringe is required, step 4 should be repeated). Close the container inlet with the inlet cap.

Identification



Complete the patient label (included with the product) with all necessary information and attach it to the container.

Transport



Insert the DOSI-FUSER $^{\circ}$ into the opaque blue bag (included with the product for transport and to protect the infusion set.

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Nursing staff: Connecting the DOSI-FUSER®

the access device. Check the patient label.



Connection



To connect the infusion line to the patient, remove the infusion-line cap, connect to the patient and unclamp the infusion-line. Attach the Capillary Element to the patient's skin. Ensure that the air and particle filter is kept dry and that the air-filter hole is not obstructed.

Wait for the first drop and verify that all air has been removed from the line.

If not, then prime the infusion line before connecting to the patient. Unclamp the line, remove the infusion-line cap and make sure that the liquid flows through the

Before connecting the DOSI-FUSER® to the patient, check the patient access line in accordance with institution protocol and the instructions of



Hang the reservoir at the mid-axillary line level.

Verify that the DOSI-FUSER® line is primed.

infusion line to the output connection.

Disconnection



The infusion is finished when the level indicator is close to 0 and the balloon is empty and fully deflated. Clamp the infusion line and disconnect it from the patient.





Dispose of the infuser in accordance with institution protocol.

Accessories



Mesh Bag

L25915-1020 L25915-1065 SMALL MESH BAG 65/100 LARGE MESH BAG 150/250



Belt Bag L25915-1030

L25915-1040

L25915-1010

LARGE BELT BAG 150/250 SMALL BELT BAG 65/100 VERTICAL BELT BAG 150/250



Support

L259000321 L259000322 SMALL SUPPORT FOR DOSI-FUSER 65/100 LARGE SUPPORT FOR DOSI-FUSER 150/250



Alligator Clip L25915-1070 ALLIGATOR CLIP



Syringe 50ml

Available: Kits including syringe

Patient FAQs



Sleeping

Place your DOSI-FUSER[®] under your pillow or in another location at your level. Do not hang from a bed post or IV pole. Do not leave it on the floor..



Washing

The Capillary Element does not require washing, but if you do wash it, use water only. Do not use alcohol or other solvents for this purpose. Do not wash the filter.



Shower/bath

If you have to take a shower/bath, protect your DOSI-FUSER® from direct water streams. In particular, ensure that the filter hole on the line is protected from water, as it could block the air elimination membrane.



Exercise

You may exercise with DOSI-FUSER[®], but consider the following: The height of the reservoir. The temperature. Do not wet the filter on the line. Do not let the product fall.



Temperature

Do not expose the reservoir to extreme temperatures. Protect the reservoir from cold temperatures by carrying it under your clothes. Protect it from direct heat.

Keep the Capillary Element in contact with the skin at 32°C (89.6°F).

 $\label{eq:travelling} \begin{array}{l} \mbox{You may travel by plane with your DOSI-FUSER}^{\circledast}. \end{array}$

SAFETY AND TRUST

DOSI-FUSER®







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