



Hubert De Backer nv
**Challenging the
limits of plastic**



Healthcare
and medical

Healthcare Devices

Realizing your ideas

Our R&D team collaborates with your specialists to give form to your concepts. Their extensive experience is shared to evolve innovative, technically advanced and commercially realizable products.

The technical advantages achieved by continuous innovation of our customized products are confirmed by their market-leading position.

CAD systems provide 2D and 3D drawings for visualization, prototyping and mould manufacturing.

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Laboratory and
diagnostics

Laboratory and Diagnostics

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Quality

Quality is key

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The key to our success is a quality-centred culture at every level from development to production and logistics.

Our quality system is dedicated exclusively to the pharmaceutical sector. We work together to provide you with customized quality documents and reports, allowing you to register your pharmaceutical product in any given country.

By means of a quality agreement, we can define specific requirements regarding the quality of our products and the roles and responsibilities of HDB and our clients. By enhancing our quality management system we ensure you of the best possible quality.





Quality



Exceptional production standards

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Our cutting-edge manufacturing facility provides you with quality, capacity, flexibility, efficiency and assured supply.

With our certified quality management system we guarantee products which meet the highest industry standards:

- ISO 9001:2015 (Quality management systems)
- ISO 13485:2016 (Medical devices)
- EN ISO 13485:2016
- ISO 15378:2011 (Primary packaging materials for medicinal products)
- Directive 93/42/EEC (Medical Device Directive)
- DMF available for all standard products
- Registered FDA facility

To make sure all employees work according to our quality management system, we provide them with training on a regular basis. Every single process step has a built-in quality control which starts with analysis of incoming materials.

Our production processes are monitored by the production operators through in-process controls (IPC) including visual, dimensional and functional inspection.

On top of that, our QC team checks that we comply with customer specifications, to ensure that all our products are of excellent quality. They perform a recheck of all IPCs and carry out additional tests, as agreed with the customer:

- Leak testing
- Specific measuring
- Drop rate tests
- ...

We have two clean rooms that have a combined surface of 3888 m². Both human and veterinary applications can be produced in our clean rooms (class ISO 5, ISO 6 or ISO 7).

Because, at HDB, excellence is not an act. It's a habit.





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Oral
dosing

OTC/Prescription

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Dispensing spoons are a thing of the past! HDB has come up with a new dispensing system to replace the dispensing spoon.

Our oral dosing applicators are available in the following standard dosing volumes: 0,5 ml, 1 ml, 2 ml, 3 ml, 5 ml, 10 ml and 20 ml.

HDB is very pleased to be able to offer you the all-in-one package: CRC/TE closure, plug, oral dosing syringe, sealing cap and clip. This enables you to buy all the required components for the administration of oral solutions from a single supplier.





Oral dosing

	0,5 ml	1 ml	1 ml	2 ml	2 ml	3 ml	3 ml	5 ml	5 ml	5 ml	10 ml	10 ml	10 ml	20 ml	20 ml
Barrel	T2125	T2023	T2023	T2115	T2115	T2043	T2043	T1839/1	T2064	T2064	T2046	T2046	T2060	T2191	T2197
Plunger	T2126	T2024	T2165	T2116	T2173	T2044	T2170	T1840	T1840	T2120	T2047	T2166	T2061	T2188	T2188
Type of nozzle	short	short	short	short	short	short	short	flat	short	short	short	short	flat	flat	short
Compatible cap	T2133	T2133	T2133	T2133	T2133	T2134	T2134	T2138	T2134	T2134	T2134	T2134	T2138	-	T2134
Compatible clip	-	-	-	-	-	T1839-1	T1839-1	T1839-1	T1839-1	T1839-1	-	-	-	-	-
Standard graduation for printing on barrel	Different standard graduations available														
(Customized) assembly, incl. plug	Assembly conforming to your request														
Individual packaging Flow pack, incl. plug	Individual packaging conforming to your request														
CE marked	CE-marking possible														
Height incl. nozzle	73,50	87,50	87,50	95,50	95,50	74,00	74,00	91,00	99,00	99,00	86,00	86,00	101,00	115,00	113,00
Height excl. nozzle	66,00	80,00	80,00	88,00	88,00	66,00	66,00	-	91,00	91,00			78,00	105,00	105,00
Outer diameter	5,70	6,40	6,60	8,30	8,30	11,00	11,00	11,00	11,00	11,00	17,00	17,00	15,35	19,60	19,60
Inner diameter	4,00	4,70	4,70	6,70	6,70	9,40	9,40	9,40	9,40	9,40	15,05	15,05	13,40	17,50	17,50
Inner diameter nozzle	1,65	1,65	4,65	1,65	1,65	2,50	2,50	3,00	2,50	2,50	2,50	2,50	3,00	3 x 2,00	2,50

PLUGS									
Bottle neck finish	DIN28	DIN28	DIN28	DIN28	DIN18	DIN28	DIN28	DIN28	DIN28
Plug	T2040/2	T2041/1	T2057/1	T2059/1	T2148/1	T2149/1	T2163/1	T2164/1	T2174/1
Pet / Glass bottle	Glass	Glass	PET	Glass	Glass / PET	PET	PET	Glass / PET	PET
Type of nozzle syringe	flat	flat	flat	short	short	flat	short	flat / short	short
Inner neck diameter	19,90	20,70	22,40	20,50	11,30	22,00	22,40	Universal	21,9
Outer diameter	24,60	24,60	24,60	24,60	15,40	24,60	24,60	Universal	24,60
Height	11,00	11,00	11,00	11,00	9,80	15,40	11,00	Universal	11,00

Child-resistant closures (CRC) available

Looking for your own customized product?

If you have a design or an idea for a new development in this field, we would be happy to hear from you. Together with our R&D department, we will further elaborate on your idea.





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system to replace the dispensing spoon.

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the following standard dosing volumes:
1 ml, 2 ml, 3 ml, 5 ml and 10 ml.

HDB is very pleased to be able to offer
you the all-in-one package:
CRC/TE closure, plug, oral dosing syringe,
sealing cap and clip cap.
This enables you to buy all the required
components for the administration of oral
solutions from a single supplier.



HUMAN
oral applicators



Hubert De Backer Oral Applicators



All-in-one package

- ▶ Dosing volumes: 1 ml, 2 ml, 3 ml, 5 ml and 10 ml
- ▶ Medical Grade Materials
- ▶ CE marking
- ▶ CRC/TE closure DIN28 and DIN18
- ▶ Plug DIN28 and DIN18
- ▶ Cap for pre-dosing and sealing
- ▶ Ultra glide barrel and plunger
- ▶ All PMS colours available for barrel and plunger
- ▶ Pre-assembly of closure and plug optional
- ▶ Pre-assembly of syringe and plug optional
- ▶ Individual packaging in flowpack optional
- ▶ Printing on the barrel or plunger with standard or customised scale division



- ▶ We turn your idea into our concept. If you want your idea to become reality contact us at hdb@hdb.be or +32 (0)3 776 34 94 for additional information or samples.

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Women's Health

HDB is also an innovator in gynaecological medical devices. We have therefore developed two standard types of vaginal applicators.

Our 5 ml vaginal applicator with M9 thread can be screwed onto tubes allowing the end-user to administer gels and creams smoothly. In addition, we have a 6 ml vaginal applicator, without a thread, which is more suited to inserting capsules and pills into the vagina.

If you have a design or an idea for a new development in this field, we would be happy to hear from you. Together with our R&D department, we will further elaborate on your idea.



HUMAN
vaginal applicators



Hubert De Backer

Vaginal Applicators



Cremes/Gels

- ▶ Dosing Volume: 5 ml
- ▶ Medical Grade Materials
- ▶ M9 Screw Thread
- ▶ Ultra glide barrel and plunger
- ▶ Individual Flowpack Packaging Optional
- ▶ Blister Packaging Optional
- ▶ Printing on the plunger with standard or customised scale division



Capsules/Liquids

- ▶ Dosing Volume: 6 ml
- ▶ Medical Grade Materials
- ▶ Ultra glide barrel and plunger
- ▶ Individual Flowpack Packaging Optional
- ▶ Blister Packaging Optional
- ▶ Printing on the barrel or plunger with standard or customised scale division optional



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Intimate
care

Intimate Care

www.hdb.be

HDB is an innovator in gynaecological medical devices. We have therefore developed two standard types of vaginal applicators. Our 5 ml vaginal applicator with M9 / M11 screw thread can be screwed on to tubes, allowing the end-user to administer gels and creams smoothly. In addition, we have a vaginal applicator without a thread, which is more suited to inserting capsules and pills into the vagina.

If you have a design or an idea for a new development in this field, we would be happy to hear from you. Together with our R&D department, we will further elaborate on your idea.





Intimate care

	5 ml	5 ml	-
Barrel	T1907/1	T2150	T1906/2
Plunger	T1703/1	T1703/1	T1681
Use	Cream / Gel	Cream / Gel	Pills
Screw thread	M9	M11	-
Printing on plunger	V	V	V
Individual packaging (flow pack, blister, ...)	V	V	V
CE-marked	V	V	V

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Veterinary
paste

Veterinary Oral Paste Syringe

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HDB specializes in the production of both standard and tailor-made oral paste syringes.

These syringes have a wide nozzle, making them exceptionally well-suited for the oral administration of gels, creams and vitamin pastes to horses and sheep.

Our paste syringes consist of four components: barrel, cap, plunger and dosing ring.

Standard dosing volumes: 5,5 ml up to 60 ml.





	5,5 ml	7 ml	12 ml	12 ml	12 ml	12 ml	12 ml	12 ml	15 ml	15 ml	20 ml	20 ml	30 ml	30 ml	30 ml	60 ml	60 ml	60 ml
Barrel	T2007	T1958	T1693/1A	T1693/1A	T1765/1	T1765/1	T2035	T2035	T1869/1	T1889/1	T1582/2	T1587/5	T1867/1	T1890/1	T2006	T1877	T1880	T2048
One piece plunger	T2008	T1938	T1743 T1630/2 T1984	T1852	T1743 T1630/2 T1984	T1852	T1743 T1630/2 T1984	T1852	T1870	T1870	T1583/1	T1302/3	T1868	T1868	T1868	T1878	T1878	T1878
Type of nozzle	long	short	short	long	long	short	short	long	long	short	short	long	long	short	long	long	long	long
Compatible cap	T1586/1A	T1586/1A	T1586/1A	T1586/1A	T1586/1A	T1586/1A	T1539/2A	T1539/2A	T1586/1A	T1539/2A	T1539/2A	T1539/2A	T1586/1A	T1539/2A	T1539/2A	T1586/1A	T1539/2A	T2049
Compatible ring	T1939	T1939	-	T1853/1	-	T1853/1	-	T1853/1	T1853/1	T1853/1	-	-	T1891	T1891	T1891	T1879	T1879	T1879
Assembly conform your request	Assembly conforming to your request																	
Customized printing up to 3 colours	Up to 3-colour printing on the barrel - possibility needs to be analysed for each project individually																	
Printing of scale division on plunger possible	Printing of scale division on plunger possible																	
Compatible with catheter											V	V			V			
Height incl. nozzle	104,50	149,80	104,40	104,40	130,50	130,50	114,00	114,00	137,00	121,00	115,00	123,00	151,30	137,00	123,70	151,30	137,00	137,00
Height excl. nozzle	66,00	99,30	78,00	78,00	78,00	78,00	78,00	78,00	85,00	85,00	78,00	99,30	99,30	99,30	99,30	99,30	99,30	99,30
Outer diameter	15,00	15,00	19,50	19,50	19,50	19,50	19,50	19,50	19,50	19,50	25,70	22,30	25,70	25,70	25,70	35,00	35,00	35,00
Inner diameter	12,30	12,30	17,20	17,20	17,20	17,20	17,20	17,20	17,20	17,20	23,00	18,90	23,00	23,00	23,00	32,20	32,20	32,20
Nozzle diameter	2,50	2,50	2,50	2,50	2,50	2,50	5,80	5,80	2,50	5,80	4,90	4,80	2,50	5,80	3,50	2,50	5,80	11,00

Looking for your own customised product?

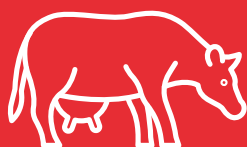
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Veterinary
intramammary

Dairy and Cattle

www.hdb.be

HDB is the global market leader for both standard and tailor-made intramammary syringes.

Thanks to our extensive experience and knowhow, we have been able to constantly improve on the design of our intramammary syringes, resulting in excellent functionality, perfect quality and maximum end-user friendliness.

Our standard range of intramammary syringes consists of the following dosing volumes: 4,5 ml up to 30 ml.





Veterinary intramammary

	4,5 ml	4,5 ml	5,5 ml	5,5 ml	6,5 ml	7 ml	10 ml	12 ml	12 ml	12 ml	12 ml	12 ml	12 ml	12 ml	20 ml	20 ml	30 ml
Barrel	T1685/2	T2193	T1753	T 2195	T1670/1	T1635/1	T1998	T1687/1	T1706/2	T1706/2	T1706/2	T1985	T1985	T1985	T1581/2	T1666/4	T1965/1
One-piece plunger	T1959 T1764	T2195	T1754	T2185	T1668	T1602/1 T2033	T1999	T1485/1	T1743 T1630/2	T1984	T1852	T1743 T1630/2	T1984	T1852	T1583/1 T1723	T1302/3	T1868
Type of nozzle	long	short	long	short	long	long	short	long	long	long	long	short	short	short	long	long	long
Compatible cap	T1673/1 T1631/1	T2186 T1883	T1673/1 T1631/1	T2186 T1883	T1673/1 T1631/1	T1673/1 T1631/1	T2186 T1883	T1673/1 T1631/1	T1673/1 T1631/1	T1673/1 T1631/1	T1673/1 T1631/1	T2186 T1883	T2186 T1883	T2186 T1883	T1673/1 T1631/1	T1673/1 T1631/1	T1673/1 T1631/1
Compatible ring	-		-	-	-	-	-	-	-	-	T1853/1	-	-	T1853/1	-	-	T1891
	Gamma-irradiation / ETO possible																
	Assembly conforming to your request																
	Up to 4-colour printing on the barrel - possibility needs to be analyzed for each project individually.																
Height incl. nozzle	76,00	69,65	76,00	69,65	76,00	92,00	98,50	104,40	104,40	104,40	104,40	98,50	98,50	98,50	104,40	126,00	126,00
Height excl. nozzle	50,00	50,00	50,00	50,00	50,00	66,00	78,00	78,00	78,00	78,00	78,00	78,00	78,00	78,00	78,00	99,30	99,30
Outer diameter	17,00	17,00	17,00	17,00	19,50	17,00	18,50	19,50	19,50	19,50	19,50	19,50	19,50	19,50	25,70	22,30	25,70
Inner diameter	13,50	17,00	14,70	17,00	17,20	14,00	16,00	16,20	17,20	17,20	17,20	17,20	17,20	17,20	23,00	18,90	23,00
Nozzle diameter	1,50	1,60	1,50	1,60	1,50	1,50	1,50	1,50	1,50	1,50	1,50	1,50	1,50	1,50	1,50	1,50	1,50

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