

 $\frac{1}{2}$ 

21 May 2015 EMA/CHMP/BPWP/1619/1999 rev. <u>2</u>

Committee for Medicinal Products for Human Use (CHMP)

### Guideline on core SmPC for human plasma derived and 4

#### recombinant coagulation factor VIII products 5

Draft 6

Draft agreed by the Blood Products Working Party	March 2015
Draft agreed by the Biologics Working Party	April 2015
Draft agreed by the Pharmacovigilance Risk Assessment Committee (PRAC)	May 2015
Adoption by CHMP for release for consultation	21 May 2015
Start of consultation	1 June 2015
End of consultation (deadline for comments)	1 July 2015

7

8 This guideline (EMA/CHMP/BPWP/1619/1999 rev. 2) replaces guideline on core SPC with reference

9 number CPMP/BPWG/1619/1999 rev. 1.

10 Changes from the previous guideline are indicated by underlined text and strike through; the public

11 consultation is restricted to these changes.

Comments should be provided using this template. The completed comments form should be sent to BPWPsecretariat@ema.europa.eu

#### 13 14

Keywords	Human plasma derived and recombinant coagulation factor VIII
	products, haemophilia A

30 Churchill Place • Canary Wharf • London E14 5EU • United Kingdom Telephone +44 (0)20 3660 6000 Facsimile +44 (0)20 3660 5555 Send a guestion via our website www.ema.europa.eu/contact



An agency of the European Union

© European Medicines Agency, 2015. Reproduction is authorised provided the source is acknowledged.

<sup>12</sup> 

### 15 Executive summary

- 16 This guideline describes the information to be included in the Summary of Product Characteristics
- 17 (SmPC) for human plasma derived and recombinant coagulation factor VIII products, which are
- 18 indicated for use in the treatment and prophylaxis of bleeding in patients with haemophilia A
- 19 (congenital factor VIII deficiency).
- 20 In case of an indication claim in von Willebrand's disease, see also core SmPC for von Willebrand factor
- 21 products (CPMP/BPWG/278/02).

## 22 **1. Introduction (background)**

- 23 The purpose of this core SmPC is to provide applicants and regulators with harmonised guidance on
- 24 the information to be included in the Summary of Product Characteristics (SmPC) for human plasma
- 25 derived and recombinant coagulation factor VIII products, which are indicated for use in the treatment
- 26 and prophylaxis of bleeding in patients with haemophilia A (congenital factor VIII deficiency). Guidance
- 27 on the conduct of clinical trials for factor VIII products is given in the "Guideline on the clinical
- 28 investigation of recombinant and human plasma-derived factor VIII products"
- 29 (EMA/CHMP/BPWP/144533/2009) which should be considered in connection with the core SmPC.
- 30 This core SmPC addresses specific aspects related to factor VIII products, for general wording and
- 31 structural aspects, the SmPC guideline and QRD template should be followed. The QRD product
- 32 information template with explanatory notes ('QRD annotated template')<sup>1</sup> and the convention to be
- 33 followed for QRD templates<sup>2</sup> provide general guidance on format and text and should be read in
- 34 conjunction with the core SmPC and the Guideline on summary of product characteristics<sup>3</sup>.
- 35 In addition, for the content of sections 4.4 and 4.8 concerning transmissible agents, refer to the
- 36 current version of the "Note for Guidance on the Warning on Transmissible Agents in SmPCs and
- 37 Package Leaflets for plasma-derived medicinal products" (EMA/CHMP/BWP/360642/2010 rev. 1).<sup>4</sup>
- 38 Timeline history of core SmPC: The original core SPC (CPMP/BPWG/1619/99) came into operation in
- 39 December 2000. <u>Revision 1 came into effect in December 2012</u>. <u>Revision 2 is a rapid revision following</u>
- 40 the 2013 EMA/EDQM workshop on potency assays to highlight that there can be significantly
- 41 discrepant assay results in clinical monitoring depending on the assay used. The opportunity is taken
- 42 to make other minor updates.
- 43 The following convention is used in this core SmPC:
- 44 -<dot underlined text> for plasma derived
- 45 -<wave-underlined text> for rDNA

<sup>3</sup> http://ec.europa.eu/health/files/eudralex/vol-2/c/smpc\_guideline\_rev2\_en.pdf

<sup>&</sup>lt;sup>1</sup> http://www.ema.europa.eu/docs/en\_GB/document\_library/Template\_or\_form/2009/10/WC500004368.pdf

 $http://www.ema.europa.eu/docs/en_GB/document\_library/Regulatory\_and\_procedural\_guideline/2009/10/WC500005091.pdf$ 

<sup>&</sup>lt;sup>4</sup> http://www.ema.europa.eu/docs/en\_GB/document\_library/Scientific\_guideline/2011/12/WC500119001.pdf

### 46 **2. Scope**

- 47 This core SmPC covers human plasma derived and recombinant coagulation factor VIII products
- 48 including new developments of factor VIII (e.g. long-acting products). The SmPC for new factor VIII
- 49 products (e.g. long-acting products) should be adapted from the core SmPC where applicable,
- 50 particularly in 4.2. Posology and method of administration, to reflect the characteristics of the specific
- 51 product. Human coagulation factor VIII is defined by the Ph. Eur. Monograph (0275) and human
- 52 coagulation factor VIII (rDNA) by the Ph. Eur. Monograph (1643).
- 53 For Immune Tolerance Induction (ITI) a separate reflection paper is under development available.

## 54 **3.** Legal basis

- 55 This guideline has to be read in conjunction with Article 11 of Directive 2001/83 as amended, and the
- 56 introduction and general principles (4) and part I of the Annex I to Directive 2001/83 as amended.

57

## 58 1. NAME OF THE MEDICINAL PRODUCT

5960 {(Invented) name strength pharmaceutical form}

## 63 2. QUALITATIVE AND QUANTITATIVE COMPOSITION

- Each {container} contains nominally {x} [*as per labelled content*] IU human coagulation factor VIII
   <(rDNA), {INN}>.
- {(Invented) name} contains approximately {x} IU ({y}IU/{z}ml) of human coagulation factor VIII
   <(rDNA), {INN}> <after reconstitution>.
- The potency (IU) is determined using the European Pharmacopoeia chromogenic assay. The specific
   activity of {(Invented) name} is approximately {x} IU/mg protein.

<{INN} (human coagulation factor VIII (rDNA)) is a protein that has {x} amino acids [include any product specific modification]. It is produced by recombinant DNA technology in {cell line}.>

- 77 < <p>Produced from the plasma of human donors.>
   78
- 79 [Product specific]80
- 81 <<u>This preparation contains human von Willebrand factor.</u>
- 83 <<u>Excipient(s) with known effect</u>:>
- For the full list of excipients, see section 6.1.

# 86 87 3. PHARMACEUTICAL FORM 88

- [Product specific]
- 89 90 91 92

93

95

103

61 62

64

## 4. CLINICAL PARTICULARS

### 94 **4.1 Therapeutic indications**

Treatment and prophylaxis of bleeding in patients with haemophilia A (congenital factor VIII deficiency).
[*Product specific specify age range in accordance with the SmPC guideline*, for example:]

99 <<u>{{(Invented) Name} can be used for all age groups</u>> 100

<Management of acquired factor VIII deficiency. [*Product specific specify age range in accordance with* the SmPC guideline.]>

## 104 4.2 Posology and method of administration105

106 Treatment should be under the supervision of a physician experienced in the treatment of haemophilia. 107

# 108 [Product specific for products where a study in PUPs is required but results are not yet available – see 109 clinical guideline for further details:] 110

## Guideline on core SmPC for human plasma derived and recombinant coagulation factor VIII products EMA/CHMP/BPWP/1619/1999 rev. 2

- 111 <a><br/>
   </a>
   Previously untreated patients
- 112 The safety and efficacy of {(Invented) name} in previously untreated patients have not yet been
- 113 <u>established. No data are available. ></u>
- 114
- 115 <u>Treatment monitoring</u>
- 116 During the course of treatment, appropriate determination of factor VIII levels is advised to guide the dose
- 117 to be administered and the frequency of repeated infusions. Individual patients may vary in their response
- 118 to factor VIII, demonstrating different half-lives and recoveries. Dose based on bodyweight may require 119 adjustment in underweight or overweight patients. In the case of major surgical interventions in particular,
- adjustment in underweight or overweight patients. In the case of major surgical interventions in particular, precise monitoring of the substitution therapy by means of coagulation analysis (plasma factor VIII)
- 120 precise monitoring of the substitution therapy by means of coagutation analysis (plasma factor VII 121 activity) is indispensable.
- 121
- 123 [Where there can be discrepant assay results depending on the assay used for clinical monitoring, the
- 124 statement given below should be included and can be supplemented with product-specific information.]
- 125
- 126<When using an in vitro thromboplastin time (aPTT)-based one stage clotting assay for determining factor</th>127VIII activity in patients' blood samples, plasma factor VIII activity results can be significantly affected by
- 128 both the type of aPTT reagent and the reference standard used in the assay. Also there can be significant
- discrepancies between assay results obtained by aPTT-based one stage clotting assay and the chromogenic
   assay according to Ph. Eur. This is of importance particularly when changing the laboratory and/or
- 130 assay according to Ph. Eur. This is of importance particularly when changing the laboratory and/or 131 reagents used in the assay.>
- 131 <u>reagents used in t</u> 132
- 133 <u>Posology</u>
- 134 The dose and duration of the substitution therapy depend on the severity of the factor VIII deficiency, on 135 the location and extent of the bleeding and on the patient's clinical condition.
- 137 *[Product Specific]*
- 138 The number of units of factor VIII administered is expressed in International Units (IU), which are related
- to the current WHO <u>concentrate</u> standard for factor VIII products. Factor VIII activity in plasma is
- 140 expressed either as a percentage (relative to normal human plasma) or <u>preferably</u> in International Units
- 141 (relative to an International Standard for factor VIII in plasma).
- 142

136

- 143 One International Unit (IU) of factor VIII activity is equivalent to that quantity of factor VIII in one ml of144 normal human plasma.
- 145
- 146 [Product specific:]
  147
- 148 <u>On demand treatment</u>
- 149 The calculation of the required dose of factor VIII is based on the empirical finding that 1 International 150 Unit (IU) factor VIII per kg body weight raises the plasma factor VIII activity by <x% to y% of normal
- activity> <x-y IU/dl>. The required dose is determined using the following formula:
- 152
- Required units = body weight (kg) x desired factor VIII rise (%) (IU/dl) x {reciprocal of observed
   recovery}
- 155
- 156 The amount to be administered and the frequency of administration should always be oriented to the 157 clinical effectiveness in the individual case.
- 158
- 159 In the case of the following haemorrhagic events, the factor VIII activity should not fall below the given
- 160 plasma activity level (in <% of normal> <IU/dl>) in the corresponding period. The following table can be
- 161 used to guide dosing in bleeding episodes and surgery:

Degree of haemorrhage/ Type of surgical procedure	Factor VIII level required (%) (IU/dl)	Frequency of doses (hours)/Duration of therapy (days)
Haemorrhage Early haemarthrosis, muscle bleeding or oral bleeding	20-40	Repeat every 12 to 24 hours. At least 1 day, until the bleeding episode as indicated by pain is resolved or healing is achieved.
More extensive haemarthrosis, muscle bleeding or haematoma	30-60	Repeat infusion every 12-24 hours for 3-4 days or more until pain and acute disability are resolved.
Life threatening haemorrhages	60-100	Repeat infusion every 8 to 24 hours until threat is resolved
Surgery Minor surgery including tooth extraction	30-60	Every 24 hours, at least 1 day, until healing is achieved.
<u>Major surgery</u>	80-100 (pre- and post-operative)	Repeat infusion every 8-24 hours until adequate wound healing, then therapy for at least another 7 days to maintain a factor VIII activity of 30% to 60% (IU/dl)
<u>Prophylaxis</u> [Product specific] <for against="" b<br="" long="" prophylaxis="" term="">o 40 IU of factor VIII per kg body w</for>	leeding in patients with seve reight at intervals of 2 to 3 d	ere haemophilia A, the usual doses are 20 ays.>
in some cases, especially in younger	patients, shorter dosage inte	rvals or higher doses may be necessary.
<i>Product specific]</i> < <u>Continuous infusion</u> Prior to surgery, a pharmacokinetic a	nalysis should be performed	to obtain an estimate of clearance.
The initial infusion rate can be calcu (IU/kg/hr).	lated as follows: Clearance	x desired steady state level = infusion rate
After the initial 24 hours of continuous the steady state equation with the me	bus infusion, the clearance sh asured level and the known	nould be calculated again every day using rate of infusion.>
During the course of treatment, appro- to be administered and the frequency particular, precise monitoring of the VIII activity) is indispensable. Indivi different half lives and recoveries.	opriate determination of fact y of repeated infusions. In the substitution therapy by mea dual patients may vary in the	or VIII levels is advised to guide the dose he case of major surgical interventions in ms of coagulation analysis (plasma factor eir response to factor VIII, demonstrating

188 <u>*<Previously untreated patients*</u>

189	{Product specific — see clinical guideline for further details] The safety and efficacy of {(invented) name}
190	in previously untreated patients have not yet been established. <no are="" available.="" data=""> <currently< td=""></currently<></no>
191	available data are described in section <4.8><5.1><5.2> but no recommendation on a posology can be
192	made.>
193	
194	Paediatric population
195	[If the product is indicated in the paediatric population posology recommendations should be given for
196	ach of the relevant subsets. If the posology is the same in adults and children, then a statement to this
197	effect is sufficient. If there is no indication in some or all subsets the following statement(s) should be
108	used 1
100	useu.j
200	The selecture and office on of ((invented) name) in children aged y to y smoother years, have not yet been
200	$<$ The safety and efficacy of {(invented) name} in children aged x to y < inonthis, years > have not yet been astablished > $<$ No data are available > $<$ Currently available data are described in section
201	established. $><$ No data are available. $><$ Currently available data are described in section $(4.9)$ , (5.1), (5.2), but no measuremendation on a needlack can be made.
202	<4.8><5.1><5.2> but no recommendation on a posology can be made.>
203	
204	Method of administration
205	Intravenous use.
206	
207	[A recommendation for maximal rate of infusion should be given.]
208	
209	<for 6.="" administration,="" before="" dilution="" instructions="" medicinal="" of="" on="" product="" section="" see="" the=""></for>
210	-
211	4.3 Contra-indications
212	
212	Hypersensitivity to the active substance or to any of the avainants listed in section 6.1
213	Typersensitivity to the active substance of to any of the exciptents listed in section 0.1.
214	[Due duet on early a]
213	[Product specific]
210	Vacuum allensis associan to manage modelin >
217	< <u>Known anergic reaction to mouse protein.&gt;</u>
218	
219	<known <bovine="" allergic="" reaction="" to=""> <mouse> <and or=""> <namster> <protein></protein></namster></and></mouse></known>
220	
221	4.4 Special warnings and precautions for use
222	
223	Hypersensitivity
224	Allergic type hypersensitivity reactions are possible with {(invented) name}. [Product specific] <the< td=""></the<>
225	product contains traces of <mouse> <bovine> <hamster> <proteins> <and> <human other="" proteins="" td="" than<=""></human></and></proteins></hamster></bovine></mouse>
226	factor VIII>.> If symptoms of hypersensitivity occur, patients should be advised to discontinue use of the
227	medicinal product immediately and contact their physician. Patients should be informed of the early signs
228	of hypersensitivity reactions including hives, generalised urticaria, tightness of the chest, wheezing,
229	hypotension, and anaphylaxis.
230	
231	In case of shock, standard medical treatment for shock should be implemented.
232	
233	Inhibitors
234	The formation of neutralising antibodies (inhibitors) to factor VIII is a known complication in the
235	management of individuals with haemonbilia A These inhibitors are usually IoG immunoalobulins
236	directed against the factor VIII procoagulant activity which are quantified in Rethesda Units (RII) per ml
237	of plasma using the modified assay. The risk of developing inhibitors is correlated to the exposure to
238	factor VIII this risk heing highest within the first 20 exposure days. Parely inhibitors may develop after
250	interest vinn, and indicate within the first 20 exposure days. Ratery, minorors may develop after

- the first 100 exposure days.
- 240

241 Cases of recurrent inhibitor (low titre) have been observed after switching from one factor VIII product to 242 another in previously treated patients with more than 100 exposure days who have a previous history of inhibitor development. Therefore, it is recommended to monitor all patients carefully for inhibitor 243 244 occurrence following any product switch. 245 246 In general, all patients treated with coagulation factor VIII products should be carefully monitored for the 247 development of inhibitors by appropriate clinical observations and laboratory tests. If the expected factor VIII activity plasma levels are not attained, or if bleeding is not controlled with an appropriate dose, 248 testing for factor VIII inhibitor presence should be performed. In patients with high levels of inhibitor, 249 250 factor VIII therapy may not be effective and other therapeutic options should be considered. Management 251 of such patients should be directed by physicians with experience in the care of haemophilia and factor 252 VIII inhibitors. 253 254 Cardiovascular events 255 In patients with existing cardiovascular risk factors, substitution therapy with FVIII may increase the cardiovascular risk. 256 257 258 [The following to be included for all medicinal products where a central venous access device (CVAD) 259 *will be required.*] 260 261 < Catheter-related complications If a central venous access device (CVAD) is required, risk of CVAD-related complications including local 262 infections, bacteraemia and catheter site thrombosis should be considered.> 263 264 265 [The text to be inserted here for transmissible agents should be in accordance with the current version of 266 the guideline on the Warning on Transmissible Agents in SmPCs and Package Leaflets for plasma-derived 267 medicinal products (EMA/CHMP/BWP/360642/2010).] 268 269 [The following text from the guideline on the Warning on transmissible Agents in SmPCs and Package 270 Leaflets for plasma-derived medicinal products (EMA/CHMP/BWP/360642/2010) should also be included 271 for recombinant products.] 272 273 It is strongly recommended that every time that {(invented) name} is administered to a patient, the name and batch number of the product are recorded in order to maintain a link between the patient and the batch 274 275 of the medicinal product. 276 277 Paediatric population 278 279 [Product specific] 280 281 <The listed warnings and precautions apply both to adults and children.> 282 283 4.5 Interaction with other medicinal products and other forms of interaction. 284 285 <No interactions of human coagulation factor VIII <(rDNA)> products with other medicinal products 286 have been reported.> 287 288 Paediatric population 289 290 [Product specific] 291 292 <The listed interactions apply both to adults and children.>

293

295

### 294 **4.6 Fertility, pregnancy and lactation**

Animal reproduction studies have not been conducted with factor VIII. Based on the rare occurrence of haemophilia A in women, experience regarding the use of factor VIII during pregnancy and breast-feeding is not available. Therefore, factor VIII should be used during pregnancy and lactation only if clearly indicated.

300

306

## 301 [Any relevant product specific information should be added.]302

## **4.7 Effects on ability to drive and use machines**304

305 {(Invented) name} has no influence on the ability to drive and use machines.

## 307 4.8 Undesirable effects308

309 <u>Summary of the safety profile</u>

310 Hypersensitivity or allergic reactions (which may include angioedema, burning and stinging at the

311 infusion site, chills, flushing, generalised urticaria, headache, hives, hypotension, lethargy, nausea,

312 restlessness, tachycardia, tightness of the chest, tingling, vomiting, wheezing) have been observed rarely

and may in some cases progress to severe anaphylaxis (including shock).

315 
315 
Very rarely development of antibodies to <mouse> <bovine> <and/or> <hamster> protein with related
316 hypersensitivity reactions has been observed.>

317

Patients with haemophilia A may develop neutralising antibodies (inhibitors) to factor VIII. If such inhibitors occur, the condition will manifest itself as an insufficient clinical response. In such cases, it is recommended that a specialised haemophilia centre be contacted.

*IThe text to be inserted here for transmissible agents should be in accordance with the current version of the guideline on the Warning on Transmissible Agents in SmPCs and Package Leaflets for plasma-derived medicinal products (EMA/CHMP/BWP/360642/2010).*

326 <u>Tabulated list of adverse reactions</u>

The table presented below is according to the MedDRA system organ classification (SOC and Preferred
 Term Level).

329

Frequencies have been evaluated according to the following convention: very common ( $\geq 1/10$ ); common ( $\geq 1/100$  to < 1/10); uncommon ( $\geq 1/1,000$  to < 1/100); rare ( $\geq 1/10,000$  to < 1/1,000); very rare (< 1/10,000), not known (cannot be estimated from the available data).

334 <Within each frequency grouping, adverse reactions are presented in order of decreasing seriousness.>

35			
	MedDRA Standard System Organ Class	Adverse	Frequency
		reactions	{ <very common,<="" th=""></very>
			common, uncommon,
			rare, very rare.>}

336

- 337 Description of selected adverse reactions
- 338 [Product specific]

339

340 <u>Paediatric population</u>

- 341 [Product specific]
- 342 343 <Frequency, type and severity of adverse reactions in children are <expected to be> the same as in 344 adults.>
- 345

352

354

356

346 <Other special population(s)> 347

#### 348 Reporting of suspected adverse reactions

349 Reporting suspected adverse reactions after authorisation of the medicinal product is important. It allows continued monitoring of the benefit/risk balance of the medicinal product. Healthcare professionals are 350 351 asked to report any suspected reactions via the national reporting system listed in Appendix V.

353 4.9 Overdose

355 [Any known information should be added.]

#### 357 5. PHARMACOLOGICAL PROPERTIES 358

#### 359 5.1 **Pharmacodynamic properties**

360 361 Pharmacotherapeutic group: antihemorrhagics, blood coagulation factor VIII, ATC code: B02BD02. The factor VIII/von Willebrand factor complex consists of two molecules (factor VIII and von Willebrand 362 factor) with different physiological functions. When infused into a haemophiliac patient, factor VIII binds 363 to von Willebrand factor in the patient's circulation. Activated factor VIII acts as a cofactor for activated 364 factor IX, accelerating the conversion of factor X to activated factor X. Activated factor X converts 365 366 prothrombin into thrombin. Thrombin then converts fibrinogen into fibrin and a clot can be formed. Haemophilia A is a sex-linked hereditary disorder of blood coagulation due to decreased levels of factor 367 VIII:C and results in profuse bleeding into joints, muscles or internal organs, either spontaneously or as 368 369 results of accidental or surgical trauma. By replacement therapy the plasma levels of factor VIII are increased, thereby enabling a temporary correction of the factor deficiency and correction of the bleeding 370 371 tendencies.

373 [Product specific]

375 <In addition to its role as a factor VIII protecting protein, von Willebrand factor mediates platelet 376 adhesion to sites of vascular injury and plays a role in platelet aggregation.> 377

378 Paediatric population

379 [Product specific: The text should be in line with the Paediatric Regulation and the SmPC guideline. In 380 case of a full waiver or any deferral, include the standard statement in the SmPC guideline.] 381

#### 382 5.2 **Pharmacokinetic properties**

383 384

389

372

374

## [Product specific]

- 385
- 386 [Description of:
- 387 - incremental recovery 388
  - area under the curve (AUC)
  - half-life (both the initial phase and elimination half-life)
- 390 - *clearance*]
- 391
- 392 Paediatric population

Guideline on core SmPC for human plasma derived and recombinant coagulation factor VIII products EMA/CHMP/BPWP/1619/1999 rev. 2

393				
394	[Pro	[Product specific]		
395				
396	5.3	Preclinical safety data		
397	2.10	Troumical survey and		
308	[Pro	duct specific]		
200	[170			
399				
400	(			
401	0.	PHARMACEUTICAL PARTICULARS		
402	(1			
403	6.1	List of excipients		
404	(1)			
405	[Pro	duct specific]		
406				
407	6.2	Incompatibilities		
408				
409	In th	e absence of compatibility studies, this medicinal product must not be mixed with other medicinal		
410	prod	ucts.		
411				
412	<on]< td=""><td>y the provided <injection> <infusion> sets should be used because treatment failure can occur as a</infusion></injection></td></on]<>	y the provided <injection> <infusion> sets should be used because treatment failure can occur as a</infusion></injection>		
413	cons	equence of human coagulation factor VIII adsorption to the internal surfaces of some <injection></injection>		
414	<infu< td=""><td>usion&gt; equipment.&gt; [If an injection/infusion set is not provided, information should be included on</td></infu<>	usion> equipment.> [If an injection/infusion set is not provided, information should be included on		
415	suita	ble injection /infusion sets.]		
416				
417	6.3	Shelf life		
418				
419	[Pro	duct specific: reference should be made to the SmPC guideline for stability at different temporary		
420	store	uner specifier reference snown ee maae is me smil e guidenne for staering an aggerein remporting uge conditions 1		
421	57676	20 contantonist.j		
422	64	Special precautions for storage		
422	0.4	Special precautions for storage		
423	[Pro	duct specific]		
424	[170			
425	65	Nature and contents of container		
420	0.5	Nature and contents of container		
427	[ Due	duct modified		
428	[Pro	auct specific)		
429				
430	6.6	Special precautions for disposal < and other handling>		
431				
432	[Pro	duct specific]		
433				
434	<rec< td=""><td>constituted medicinal product should be inspected visually for particulate matter and discoloration</td></rec<>	constituted medicinal product should be inspected visually for particulate matter and discoloration		
435	prior	or to administration.> The solution should be clear or slightly opalescent. Do not use solutions that are		
436	cloud	udy or have deposits.		
437				
438	Any	unused product or waste material should be disposed of in accordance with local requirements.		
439	2	• • • • • •		
440				
441	7.	MARKETING AUTHORISATION HOLDER		
442	-			
443	[Pro	duct specific]		
444				
(- <b>T</b> - <b>T</b>				

## 445446 8. MARKETING AUTHORISATION NUMBER(S)

DATE OF REVISION OF TEXT

447448 [Product specific]

449 450

451 452

### 9. DATE OF FIRST AUTHORISATION/RENEWAL OF THE AUTHORISATION

- 453 [Product specific]
- 454

### 455 456

457

458 [Product specific]459

10.

460 <Detailed information on this medicinal product is available on the website of the European Medicines

461 Agency <u>http://www.ema.europa.eu</u>.>