

ANALYSIS CERTIFICATE

BIOPHEN HEPARIN 6 - # 221006

F1700344
Lot : F1700346

QC Release:

2017-05-02

Expiration date : 2019-09-20

Components	Volume	Exp. (months)	Lot #	Exp. date
R1 : Sxa-11 substrate	4 vials of 15 mg	30	F171200344 F171100346	2019-09-20
R2 : Bovine FXa	4 vials of 15 µg	30	F171200344 F171100346	2019-09-28

905

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F1700344

F1700346

QC Release: 2017-05-02

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Analytical data	Specifications
1. <u>SXa-11 substrate</u>	
a. Blank value (N=10) Mean (A405): 0,185	A405 ≤ 0.30
b. Reproducibility (water bath)	
N= 20 Mean (A405): 1,978	
CV(DO): 0,4 %	≤ 2 %

2. <u>Bovine Factor Xa</u>	
a. Reproducibility (water bath)	
N= 20 Mean (A405): 1,973	
CV(DO): 0,9 %	≤ 2 %
b. Factor Xa reactivity (water bath)	
A405 : 2,069	≥ 1.50

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<p>3. <u>Assay method</u></p> <p><u>a. STAR method</u></p> <p style="text-align: center;"><u>Calibration curves</u></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th>UFH IU/ml</th> <th>A405</th> <th>LMWH IU/ml</th> <th>A405</th> </tr> </thead> <tbody> <tr> <td>CAL1</td> <td style="text-align: center;">0</td> <td style="text-align: center;">1,679</td> <td style="text-align: center;">0</td> <td style="text-align: center;">1,674</td> </tr> <tr> <td>CAL2</td> <td style="text-align: center;">0,46</td> <td style="text-align: center;">1,133</td> <td style="text-align: center;">0,47</td> <td style="text-align: center;">1,108</td> </tr> <tr> <td>CAL3</td> <td style="text-align: center;">0,88</td> <td style="text-align: center;">0,738</td> <td style="text-align: center;">0,94</td> <td style="text-align: center;">0,730</td> </tr> <tr> <td>CAL4</td> <td style="text-align: center;">1,33</td> <td style="text-align: center;">0,483</td> <td style="text-align: center;">1,47</td> <td style="text-align: center;">0,422</td> </tr> <tr> <td>CAL5</td> <td style="text-align: center;">1,76</td> <td style="text-align: center;">0,310</td> <td style="text-align: center;">1,93</td> <td style="text-align: center;">0,293</td> </tr> </tbody> </table> <p style="text-align: center; margin-top: 20px;"><u>Controls</u></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th>Lot</th> <th>TV*</th> <th>MV**</th> </tr> </thead> <tbody> <tr> <td>C1/UFH</td> <td style="text-align: center;">53903-1</td> <td style="text-align: center;">0,24</td> <td style="text-align: center;">0,22</td> </tr> <tr> <td>C2/UFH</td> <td style="text-align: center;">53903-2</td> <td style="text-align: center;">0,49</td> <td style="text-align: center;">0,47</td> </tr> <tr> <td>C3/LMWH</td> <td style="text-align: center;">44202-1</td> <td style="text-align: center;">0,79</td> <td style="text-align: center;">0,75</td> </tr> <tr> <td>C4/LMWH</td> <td style="text-align: center;">F1600910</td> <td style="text-align: center;">1,16</td> <td style="text-align: center;">1,12</td> </tr> </tbody> </table> <p style="margin-left: 20px;">*TV: Target Value **MV: Measured value</p> <p><u>b. 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Analytical data			Specifications
4. <u>Stability of reconstituted reagents</u>			A405 ≤ 0.30 Δ A405 ≤ 0.10 7 days at RT (18-25°C) [0,14 - 0,34] [0,34 - 0,64] [0,68 - 0,92] [1,00 - 1,36]
	Fresh	7 days RT (18-25°C)	
<i>Substrate blank</i>			
A405	0,133	0,190	
<i>A405 (LMWH calibration curve)</i>			
CAL1	0,690	0,718	
CAL2	0,482	0,500	
CAL3	0,344	0,344	
CAL4	0,237	0,250	
CAL5	0,187	0,192	
<i>Measured values for controls (IU/ml)</i>			
C1/UFH	0,17	0,21	
C2/UFH	0,43	0,48	
C3/LMWH	0,73	0,79	
C4/LMWH	1,12	1,17	
5. <u>Detection threshold</u>			
A405 (0 IU/ml) - 3SD =		0,795	
Detection threshold:		<0,01 IU/ml	
			≤ 0.05 IU/ml

Comments :

**PASSED
 IN COMPLIANCE**

Date : 2017-05-02

QC Manager : S.LECOURT

