



Manufactured by Hyphen BioMed.

## BIOPHEN Protein C 5 ON SYSMEX CA 1500

### Adaptation of BIOPHEN PROTEIN C 5 on Sysmex CA 1500

#### 1. Reconstitution of BIOPHEN PROTEIN C 5 (Ref A221205) reagents.

Chromogenic determination of Protein C.

	NAME	Reconstitution	Stability	Stabilization in T°
R1	Protac	5 ml * of distilled water *	3 months at 2-8°C * 3 days at room T° Do not freeze	** 30 mn before any use
R2	SAPC-21 Substrate	5 ml of distilled water *	3 months at 2-8°C * 3 days at room T° Do not freeze	** 30 mn before any use

#### Reconstitution:

\* After reconstitution with distilled water, leave the R1 and R2 reagents to stabilize for 30 minutes at room temperature.

#### Conservation of reagents:

Take care of putting up the specific caps back on the bottles before storing them at 2°-8° C and of strictly respecting the temperature stabilization time of 30 minutes before using the reagents on the automate.

#### Stabilization of reagents:

\*\* It is necessary to leave the substrate (R2) and the Protac (R1) temperature to stabilize for at least 30 minutes on the automate before any use.

**Foot-note: Do not interchange the reagents from different lots .**

## 2. Reconstitution of quality Controls

NAME	Reconstitution	Stability	Stabilization in T°
Calibration Biophen Plasma Calibrator (ref A222101)	1 ml of distilled water *	24 hours at 2-8°C 8 hours at room T°	** 30 minutes on CA1500 board before any use
Quality controls Biophen Normal Control (ref A223201) Biophen Abnormal Control (ref A223301)	1 ml of distilled water *	24 hours at 2-8°C 8 hours at room T°	** 30 minutes on CA1500 board before any use

### Reconstitution:

After reconstitution of calibrators or controls with distilled water, leave them to stabilize for 30 minutes at room temperature.

**Foot-note: A calibration curve must be carried out for each new batch of reagents.**

### Conservation of reagents:

\*\* Take care of strictly respecting the 30 minutes temperature stabilization time for *calibrators* and *controls* at room temperature, then the 30 minutes on the automate, particularly if they were stored at 2-8°C. Homogenize before each use.

**Foot-note: Do not freeze calibrators or controls.**

Configuration of the analyzer: cf chapter 5.

## 3. Expression of Results:

- The calibration curve is of the Lin (absorbance) - Lin (concentration) type.
- The values obtained for the patients and controls are directly calculated from the calibration curve.
- The results are expressed in % activity.  
The 100% activity is that of a reference normal pooled citrated plasma.

#### 4. Programming Sysmex CA 1500 analyzer

##### 1. System Parameters

System		Ready																							
				Emergency																					
<b>Analyse Protocol</b>																									
Parameter : PC Chr		Para Code																							
Detection Wavelength		Chromogene		PC																					
		Low Sens / 405nm		Inc																					
Mesure Range		15 sec		80 sec																					
Sample Vol .		Tip SB		30 µl		<table border="1"> <tr><td colspan="3">Detection Method</td></tr> <tr><td colspan="3">1</td></tr> <tr><td>7</td><td>8</td><td>9</td></tr> <tr><td>4</td><td>5</td><td>6</td></tr> <tr><td>1</td><td>2</td><td>3</td></tr> <tr><td>0</td><td></td><td>Enter</td></tr> </table>		Detection Method			1			7	8	9	4	5	6	1	2	3	0		Enter
Detection Method																									
1																									
7	8	9																							
4	5	6																							
1	2	3																							
0		Enter																							
Diluent Vol.				µl																					
Wash Vol		Without																							
Second dilution Diluent Vol.		No Util		0µl																					
Wash Vol		Without		0µl																					
Wash Vol		Without																							
<b>Deficient Plasma Mix</b>		Without																							
Vol. diluent		No Util		0µl																					
Clean.(Before/Ext/Pos)		Without		x0/ Off /Without x0																					
<b>1st Reagent Mix</b>		Protac		125µl		360 sec Norm																			
Diluent Vol.		Tip R B1		No0µl																					
Clean.(Bef/Ext/Pos)		Without		x0/ Off /Clean 1x3																					
<b>2nd Reagent Mix</b>		SUB		125µl		0 sec Norm																			
Diluent Vol.		Tip R A2		No 0µl																					
Clean.(Bef/Ext/Pos)		Without		x0/ Off /Clean 1x1																					
<b>3rd Reagent Mix</b>		Without																							
Diluent Vol.		No Util		0µl																					
Clean.(Bef/Ext/Pos)		Without		x0/ Off /Without x0																					
Select Tests	Name Tests	Special	↑	↓			Go Back																		

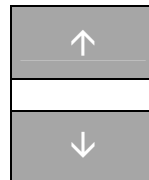
## 2. Calibration

System		Ready		
			Emergency	
<b>Analyse Protocol</b>				
Parameter : PC Chr      Para Code				

**PC                    Interne                    Dil. Auto**

Calibrator	Data
Biophen cal	100 %

Ratio Dil	PC	Double
1 : 1	100 %	1
1 : 2	50 %	1
1 : 4	25 %	1
1 : 8	12.5 %	1



Buffer
O.Koller

Select Tests	Name Tests	Change	Reagent Choice		Go Back
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