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# **CERTIFICATE OF ANALYSIS**

**ZYMUTEST  
Rat-PAI-1 Activity**

**#RK003A**

**Lot : F1601173**

**Expiration date : 2019-07-02**



## ANALYSIS CERTIFICATE

**Rat PAI-1 Activity Elisa Kit**

**Lot : F1601173**

**QC Release : 2017-03-14**

**Expiration date : 2019-07-02**

Components	Volume (mL)	Exp. (months)	Lot #	Exp. date
Anti-(rat)-PAI-1 pre-coated plate	12x8 wells	30	F1700066	2019-07-07
Rat PAI-1 activity standard	3 vials	30	F1700042	2019-07-02
Rat-PAI-1 Control I	1 vial	42	F1700043	2020-06-26
Rat-PAI-1 Control II	1 vial	42	F1700044	2020-06-26
Anti-(rat)-PAI-1 HRP immunoconjugate	3 vials	42	F1700229	2020-08-11
F-Sample diluent	2x50	42	F1600737	2020-01-14
Wash solution	1x50	42	F1600780	2020-01-21
Conjugate diluent	1x25	42	F1600708	2019-12-11
TMB	1x25		150915D02	2019-09-30
Sulfuric Acid 0,45M	1x6	42	F1600740	2019-12-17

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Analytical data	Specifications
<b>1. <u>Reactivity</u></b>  A450 for the 8,5 ng/ml standard: <b>1,955</b>	$\geq 1,40$

<b>2. <u>Blank value</u></b>  A450 for F-Sample diluent : <b>0,070</b> SD : <b>0,008</b>	$< 0,100$ $< 0,015$
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<b>3. <u>Calibration curve</u></b>  Curve Fitting : <span style="float: right;">polynom 2</span> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">ng/ml</th> <th style="text-align: left;">OD</th> <th style="text-align: left;">CV (%)</th> <th style="text-align: left;">N=</th> <th style="text-align: left;">CV (%)</th> </tr> </thead> <tbody> <tr> <td>8,7</td> <td>1,975</td> <td>1,7</td> <td>12</td> <td>&lt;10</td> </tr> <tr> <td>4,35</td> <td>1,289</td> <td>2,1</td> <td>12</td> <td>&lt;10</td> </tr> <tr> <td>2,18</td> <td>0,749</td> <td>3,1</td> <td>12</td> <td>&lt;10</td> </tr> <tr> <td>0,87</td> <td>0,357</td> <td>3,5</td> <td>12</td> <td>&lt;10</td> </tr> <tr> <td>0,44</td> <td>0,210</td> <td>7,6</td> <td>12</td> <td>&lt;10</td> </tr> <tr> <td>0</td> <td>0,070</td> <td>/</td> <td></td> <td></td> </tr> </tbody> </table>	ng/ml	OD	CV (%)	N=	CV (%)	8,7	1,975	1,7	12	<10	4,35	1,289	2,1	12	<10	2,18	0,749	3,1	12	<10	0,87	0,357	3,5	12	<10	0,44	0,210	7,6	12	<10	0	0,070	/			<b>N <math>\geq</math> 10</b>
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<b>4. <u>Detection threshold</u></b>  Concentration $<0,1$ ng/ml	<b>Specifications</b> $\leq 1$ ng/ml
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<b>5. <u>Controls</u></b>	<b>Target value ng/ml</b>	<b>Measured value ng/ml</b>	<b>Acceptance range</b>
Control I	11,4	10,5	9,7 to 13,1 ng/ml
Control II	5,0	4,8	4,0 to 6,0 ng/ml

<b>Comments :</b>	<input checked="" type="checkbox"/> <b>PASSED IN COMPLIANCE</b>
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**Date : 2017-03-14**

**QC Manager :**

**S.LECOURT**



## ZYMUTEST Rat PAI-1 Activity

**REF** RK003A

**Assay of rat-PAI-1 Activity by ELISA / Dosage ELISA de l'Activité PAI-1 de rat**

For in vitro use only / Utilisation in vitro exclusivement - For research use only / Uniquement à usage de recherche

**LOT** F1601173



2019-07-02

### Values assigned / Valeurs cibles (\*)

**Calibrator / Calibrateur** LOT : F1700042

Concentration : 8.7 ng/mL

**Control / Contrôle CI** LOT : F1700043

Target value / Valeur cible : 11.4 ng/mL

Acceptance range / Domaine d'acceptation : [9.7 – 13.1] ng/mL

**Control / Contrôle CII** LOT : F1700044

Target value / Valeur cible : 5.0 ng/mL

Acceptance range / Domaine d'acceptation : [4.0 – 6.0] ng/mL

(\*) Standardization / Standardisation : NA

Note: Curve fitting suitable for RK003A using Magellan software (Tecan ®) : second-degree polynomial (\*\*), third-degree polynomial (\*\*), 4 parameters, 4 parameters marquardt, 5 parameters marquardt, cubic spline, akima, and point to point / Les modes d'interpolation adaptés pour RK003A sur le logiciel Magellan (Tecan ®) sont : polynôme de degré 2 (\*\*), polynôme de degré 3 (\*\*), 4 paramètres, 4 paramètres marquardt, 5 paramètres marquardt, spline cubique, akima, et point par point.

(\*\*) Best fit suggested / Mode d'interpolation à favoriser

Approved Date / Date d'Approbation : 2017-03-14

Quality Control Manager / Responsable Contrôle Qualité : S.LECOURT