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

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

Comments :	<input checked="" type="checkbox"/> PASSED IN COMPLIANCE
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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