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**Audit Trail**

26 April 2023 12:09:24 User ID: hamilton

Document Workflow Summary:

There is no workflow activity.

26 April 2023 12:09:24 User ID: hamilton

User saved a document using Save or Save As.

Document saved as: ELISA/230426\_AAV9-ELISA\_1\_20230426\_092109

26 April 2023 12:09:24 User ID: hamilton

User started a normal read.

Experiment: AAV9-ELISA

Connected instrument:

VersaMax

ROM v2.0.20 Nov 05 2018

26 April 2023 12:09:24 User ID: hamilton

User started a read.

Experiment: AAV9-ELISA

Section: Plate01

26 April 2023 12:09:50 User ID: hamilton

Read finished.

Experiment: AAV9-ELISA

Section: Plate01

26 April 2023 12:09:50 User ID: hamilton

User saved a document using Save or Save As.

Document saved as: ELISA/230426\_AAV9-ELISA\_1\_20230426\_092109

26 April 2023 12:09:51 User ID: hamilton

User exported selected sections.

Exported to: C:\Users\Hamilton\Documents\Experiments\200731\_Hamilton\_Daten-Sammlung\230426\_AAV9-ELISA\_1\_20230426\_092109.xls

26 April 2023 12:09:51 User ID: hamilton

Document closed.

26 April 2023 12:27:51 User ID: user

User opened a document.

Document: ELISA/230426\_AAV9-ELISA\_1\_20230426\_092109

Software Version: SoftMax Pro 7.1 GxP

Product Key: Unidentified

26 April 2023 12:29:48 User ID: user

Document closed.

26 April 2023 13:14:36 User ID: user

User opened a document.

Document: ELISA/230426\_AAV9-ELISA\_1\_20230426\_092109

Software Version: SoftMax Pro 7.1 GxP

Product Key: Unidentified

26 April 2023 13:15:06 User ID: user

User masked wells in a Plate section.

Experiment: AAV9-ELISA

Section: Plate01

Masking Wells: A08

Notes: ausreisser

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26 April 2023 13:15:28 User ID: user  
User unmasked wells in a Plate section.  
Experiment: AAV9-ELISA  
Section: Plate01  
Unmasked Wells: A08  
Notes: undo

26 April 2023 13:15:47 User ID: user  
User masked wells in a Plate section.  
Experiment: AAV9-ELISA  
Section: Plate01  
Masking Wells: A06  
Notes: Ausreisser

26 April 2023 13:16:21 User ID: user  
User unmasked wells in a Plate section.  
Experiment: AAV9-ELISA  
Section: Plate01  
Unmasked Wells: A06  
Notes: undo

26 April 2023 13:16:28 User ID: user  
User masked wells in a Plate section.  
Experiment: AAV9-ELISA  
Section: Plate01  
Masking Wells: A07  
Notes: Ausreisser

26 April 2023 13:16:49 User ID: user  
User unmasked wells in a Plate section.  
Experiment: AAV9-ELISA  
Section: Plate01  
Unmasked Wells: A07  
Notes: undo

26 April 2023 13:16:56 User ID: user  
User masked wells in a Plate section.  
Experiment: AAV9-ELISA  
Section: Plate01  
Masking Wells: A08  
Notes: Ausreisser

26 April 2023 13:17:25 User ID: user  
User unmasked wells in a Plate section.  
Experiment: AAV9-ELISA  
Section: Plate01  
Unmasked Wells: A08  
Notes: undo

26 April 2023 13:18:26 User ID: user  
User masked wells in a Plate section.  
Experiment: AAV9-ELISA  
Section: Plate01  
Masking Wells: A09  
Notes: Ausreisser

26 April 2023 13:18:44 User ID: user  
User unmasked wells in a Plate section.  
Experiment: AAV9-ELISA  
Section: Plate01  
Unmasked Wells: A09  
Notes: undo

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26 April 2023 13:18:50 User ID: user

User masked wells in a Plate section.

Experiment: AAV9-ELISA

Section: Plate01

Masking Wells: A08

Notes: Ausreisser

26 April 2023 13:19:03 User ID: user

Document Workflow Summary:

There is no workflow activity.

26 April 2023 13:19:03 User ID: user

User saved a document using Save or Save As.

Document saved as: ELISA/230426\_AAV9-ELISA\_1\_20230426\_092109

26 April 2023 13:20:34 User ID: user

User masked wells in a Plate section.

Experiment: AAV9-ELISA

Section: Plate01

Masking Wells: C07

Notes: Ausreisser

26 April 2023 13:20:36 User ID: user

User saved a document using Save or Save As.

Document saved as: ELISA/230426\_AAV9-ELISA\_1\_20230426\_092109

26 April 2023 13:21:02 User ID: user

User unmasked wells in a Plate section.

Experiment: AAV9-ELISA

Section: Plate01

Unmasked Wells: C07

Notes: undo

26 April 2023 13:21:17 User ID: user

User masked wells in a Plate section.

Experiment: AAV9-ELISA

Section: Plate01

Masking Wells: C06

Notes: Ausreisser

26 April 2023 13:21:20 User ID: user

User saved a document using Save or Save As.

Document saved as: ELISA/230426\_AAV9-ELISA\_1\_20230426\_092109

26 April 2023 13:21:56 User ID: user

User exported a document in SoftMax Pro format.

Exported from: ELISA/230426\_AAV9-ELISA\_1\_20230426\_092109

Exported to: C:\Data\Experiments\230426\_AAV9-ELISA\_sey\_GN004240-033\230426\_AAV9-ELISA\_sey\_GN004240-033

\230426\_AAV9-ELISA\_1\_20230426\_092109.sdax

26 April 2023 13:22:17 User ID: user

User exported selected sections.

Exported to: C:\Data\Experiments\230426\_AAV9-ELISA\_sey\_GN004240-033\230426\_AAV9-ELISA\_sey\_GN004240-033

\230426\_AAV9-ELISA\_1\_20230426\_092109.xls

Plate01												
	1	2	3	4	5	6	7	8	9	10	11	12
A	1.5961 0.0421 <b>1.5540</b>	0.9607 0.0397 <b>0.9210</b>	0.6079 0.0376 <b>0.5703</b>	0.3696 0.0369 <b>0.3327</b>	1.4994 0.0385 <b>1.4609</b>	0.8012 0.0385 <b>0.7627</b>	0.4937 0.0375 <b>0.4562</b>	0.3325 0.0369 <b>Masked</b>	0.1889 0.0359 <b>0.1530</b>	0.1186 0.0362 <b>0.0824</b>	0.0839 0.0374 <b>0.0465</b>	0.0430 0.0361 <b>0.0069</b>
B	0.0529 0.0383 <b>0.0146</b>	0.0487 0.0369 <b>0.0118</b>	0.0461 0.0367 <b>0.0094</b>	0.0448 0.0367 <b>0.0081</b>	0.5599 0.0370 <b>0.5229</b>	0.3362 0.0376 <b>0.2986</b>	0.1984 0.0367 <b>0.1617</b>	0.1276 0.0366 <b>0.0910</b>	1.9090 0.0397 <b>1.8693</b>	1.2851 0.0404 <b>1.2447</b>	0.8393 0.0392 <b>0.8001</b>	0.4938 0.0423 <b>0.4515</b>
C	0.0600 0.0367 <b>0.0233</b>	0.0657 0.0446 <b>0.0211</b>	0.0478 0.0366 <b>0.0112</b>	0.0456 0.0365 <b>0.0091</b>	0.1705 0.0368 <b>0.1337</b>	0.0982 0.0366 <b>Masked</b>	0.0721 0.0364 <b>0.0357</b>	0.0573 0.0364 <b>0.0209</b>	0.8227 0.0378 <b>0.7849</b>	0.4370 0.0372 <b>0.3998</b>	0.2911 0.0371 <b>0.2540</b>	0.1720 0.0381 <b>0.1339</b>
D	0.0703 0.0367 <b>0.0336</b>	0.0568 0.0369 <b>0.0199</b>	0.0508 0.0370 <b>0.0138</b>	0.0483 0.0363 <b>0.0120</b>	0.1019 0.0365 <b>0.0654</b>	0.0712 0.0362 <b>0.0350</b>	0.0588 0.0365 <b>0.0223</b>	0.0516 0.0365 <b>0.0151</b>	1.5132 0.0391 <b>1.4741</b>	0.9228 0.0381 <b>0.8847</b>	0.6060 0.0377 <b>0.5683</b>	0.3559 0.0361 <b>0.3198</b>
E	0.0495 0.0362 <b>0.0133</b>	0.0458 0.0367 <b>0.0091</b>	0.0438 0.0368 <b>0.0070</b>	0.0435 0.0367 <b>0.0068</b>	2.3193 0.0409 <b>2.2784</b>	1.6572 0.0381 <b>1.6191</b>	1.2023 0.0377 <b>1.1646</b>	0.7501 0.0374 <b>0.7127</b>	0.9452 0.0382 <b>0.9070</b>	0.5708 0.0376 <b>0.5332</b>	0.3171 0.0368 <b>0.2803</b>	0.1961 0.0358 <b>0.1603</b>
F	0.8568 0.0380 <b>0.8188</b>	0.4893 0.0375 <b>0.4518</b>	0.2637 0.0372 <b>0.2265</b>	0.1768 0.0366 <b>0.1402</b>	0.0494 0.0363 <b>0.0131</b>	0.0459 0.0367 <b>0.0092</b>	0.0453 0.0370 <b>0.0083</b>	0.0447 0.0357 <b>0.0090</b>	0.8302 0.0382 <b>0.7920</b>	0.4985 0.0374 <b>0.4611</b>	0.2847 0.0356 <b>0.2491</b>	0.1798 0.0356 <b>0.1442</b>
G	3.5461 0.0447 <b>3.5014</b>	3.0506 0.0419 <b>3.0087</b>	2.8633 0.0433 <b>2.8200</b>	2.2820 0.0408 <b>2.2412</b>	0.0462 0.0365 <b>0.0097</b>	0.0424 0.0346 <b>0.0078</b>	0.0437 0.0354 <b>0.0083</b>	0.0442 0.0358 <b>0.0084</b>	0.5963 0.0371 <b>0.5592</b>	0.3707 0.0367 <b>0.3340</b>	0.2042 0.0365 <b>0.1677</b>	0.1303 0.0367 <b>0.0936</b>
H	1.0298 0.0388 <b>0.9910</b>	0.6090 0.0405 <b>0.5685</b>	0.3675 0.0378 <b>0.3297</b>	0.1919 0.0380 <b>0.1539</b>	1.5886 0.0400 <b>1.5486</b>	1.1037 0.0380 <b>1.0657</b>	0.7044 0.0364 <b>0.6680</b>	0.4591 0.0378 <b>0.4213</b>	0.6945 0.0383 <b>0.6562</b>	0.4009 0.0378 <b>0.3631</b>	0.2456 0.0379 <b>0.2077</b>	0.1651 0.0367 <b>0.1284</b>

## Settings Information



Endpoint

Lm1 450

Lm2 620

More Settings

Shake Off

Calibrate On

Carriage Speed Normal

Column Priority

## Read Information

VersaMax

ROM v2.0.20 Nov 05 2018

Start Read : 12:09 26.04.2023

Mean Temperature : 27,5 °C

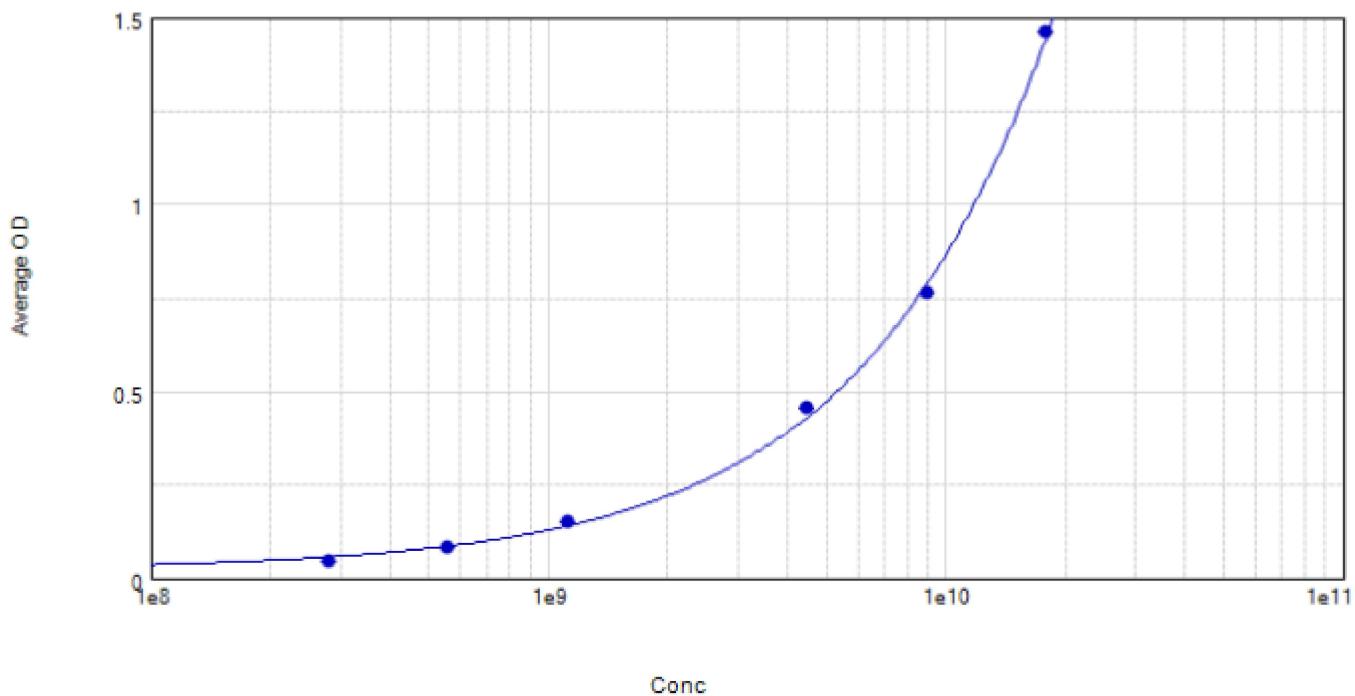
Read By : hamilton



## Reduction Settings

Optical Density

Wavelength Combination : !Lm1-!Lm2

**Summary****ReferenceCurve****Curve Fit Results ▲**

Curve Fit : 4-Parameter Logistic  $y = D + \frac{A - D}{1 + \left(\frac{x}{C}\right)^B}$

	Parameter	Estimated Value	Std. Error	Confidence Interval
<b>STD#1</b>	A	0.023	0.048	[-0.182, 0.229]
R <sup>2</sup> = 0.999	B	0.901	0.306	[-0.416, 2.217]
EC50 = 7.02e+16	C	7.02e+16	3.04e+22	[-1.31e+23, 1.31e+23]
	D	1.24e+6	4.83e+11	[-2.08e+12, 2.08e+12]

Sample	Wells	Standard Value [cp/ml]	OD	BackCalcConc	
01	A5	1.795e10	1.4609	1.806e10	
02	A6	8.977e9	0.7627	8.629e9	
03	A7	4.489e9	0.4562	4.762e9	
04	A8	2.244e9	Masked	Masked	
05	A9	1.122e9	0.1530	1.248e9	
06	A10	5.611e8	0.0824	5.206e8	
07	A11	2.805e8	0.0465	1.835e8	

**Control Sample**

Index	Well	Dilution	Values	Result	Dil.Result	
1	A1	1	1.5540	*****	*****	
2	A2	2	0.9210	1.070e10	2.141e10	
3	A3	4	0.5703	6.175e9	2.470e10	
4	A4	8	0.3327	3.279e9	2.623e10	

CS\_Mean [cp/ml] = 2.411e10

CS\_CV [%] = 10.2

**Sample\_01**

Index	Well	Dilution	Values	Result	Dil.Result
1	B1	1	0.0146	----	----
2	B2	2	0.0118	----	----
3	B3	4	0.0094	----	----
4	B4	8	0.0081	----	----

Sample\_01\_Mean [cp/ml] = ----

Sample\_01\_CV [%] = ----

**Sample\_02**

Index	Well	Dilution	Values	Result	Dil.Result
1	C1	1	0.0233	----	----
2	C2	2	0.0211	----	----
3	C3	4	0.0112	----	----
4	C4	8	0.0091	----	----

Sample\_02\_Mean [cp/ml] = ----

Sample\_02\_CV [%] = ----

**Sample\_03**

Index	Well	Dilution	Values	Result	Dil.Result
1	D1	1	0.0336	----	----
2	D2	2	0.0199	----	----
3	D3	4	0.0138	----	----
4	D4	8	0.0120	----	----

Sample\_03\_Mean [cp/ml] = ----

Sample\_03\_CV [%] = ----

**Sample\_04**

Index	Well	Dilution	Values	Result	Dil.Result
1	E1	1	0.0133	----	----
2	E2	2	0.0091	----	----
3	E3	4	0.0070	----	----
4	E4	8	0.0068	----	----

Sample\_04\_Mean [cp/ml] = ----

Sample\_04\_CV [%] = ----

**Sample\_05**

Index	Well	Dilution	Values	Result	Dil.Result
1	F1	1	0.8188	9.359e9	9.359e9
2	F2	2	0.4518	4.708e9	9.416e9
3	F3	4	0.2265	2.055e9	8.221e9
4	F4	8	0.1402	1.112e9	8.894e9

Sample\_05\_Mean [cp/ml] = 8.973e9

Sample\_05\_CV [%] = 6.2

**Sample\_06**

Index	Well	Dilution	Values	Result	Dil.Result
1	G1	1	3.5014	+++++	+++++
2	G2	2	3.0087	+++++	+++++
3	G3	4	2.8200	+++++	+++++
4	G4	8	2.2412	+++++	+++++

Sample\_06\_Mean [cp/ml] = +++++

Sample\_06\_CV [%] = +++++

**Sample\_07**

Index	Well	Dilution	Values	Result	Dil.Result
1	H1	1	0.9910	1.163e10	1.163e10
2	H2	2	0.5685	6.152e9	1.230e10
3	H3	4	0.3297	3.244e9	1.297e10
4	H4	8	0.1539	1.258e9	1.006e10

Sample\_07\_Mean [cp/ml] = 1.174e10

Sample\_07\_CV [%] = 10.6

**Sample\_08**

Index	Well	Dilution	Values	Result	Dil.Result
1	B5	1	0.5229	5.583e9	5.583e9
2	B6	2	0.2986	2.880e9	5.760e9
3	B7	4	0.1617	1.341e9	5.365e9
4	B8	8	0.0910	6.055e8	4.844e9

Sample\_08\_Mean [cp/ml] = 5.388e9

Sample\_08\_CV [%] = 7.4

**Sample\_09**

Index	Well	Dilution	Values	Result	Dil.Result
1	C5	1	0.1337	1.043e9	1.043e9
2	C6	2	Masked	+++++	+++++
3	C7	4	0.0357	---	---
4	C8	8	0.0209	---	---

Sample\_09\_Mean [cp/ml] = 1.043e9

Sample\_09\_CV [%] = 0.0

**Sample\_10**

Index	Well	Dilution	Values	Result	Dil.Result
1	D5	1	0.0654	3.568e8	3.568e8
2	D6	2	0.0350	---	---
3	D7	4	0.0223	---	---
4	D8	8	0.0151	---	---

Sample\_10\_Mean [cp/ml] = 3.568e8

Sample\_10\_CV [%] = 0.0

**Sample\_11**

Index	Well	Dilution	Values	Result	Dil.Result
1	E5	1	2.2784	+++++	+++++
2	E6	2	1.6191	+++++	+++++
3	E7	4	1.1646	1.397e10	5.590e10
4	E8	8	0.7127	7.984e9	6.387e10

Sample\_11\_Mean [cp/ml] = 5.988e10

Sample\_11\_CV [%] = 9.4

**Sample\_12**

Index	Well	Dilution	Values	Result	Dil.Result
1	F5	1	0.0131	---	---
2	F6	2	0.0092	---	---
3	F7	4	0.0083	---	---
4	F8	8	0.0090	---	---

Sample\_12\_Mean [cp/ml] = ----

Sample\_12\_CV [%] = ----

**Sample\_13**

Index	Well	Dilution	Values	Result	Dil.Result
1	G5	1	0.0097	---	---
2	G6	2	0.0078	---	---
3	G7	4	0.0083	---	---
4	G8	8	0.0084	---	---

Sample\_13\_Mean [cp/ml] = ----

Sample\_13\_CV [%] = ----

**Sample\_14**

Index	Well	Dilution	Values	Result	Dil.Result
1	H5	1	1.5486	+++++	+++++
2	H6	2	1.0657	1.264e10	2.527e10
3	H7	4	0.6680	7.411e9	2.964e10
4	H8	8	0.4213	4.337e9	3.470e10

Sample\_14\_Mean [cp/ml] = 2.987e10

Sample\_14\_CV [%] = 15.8

**Sample\_15**

Index	Well	Dilution	Values	Result	Dil.Result
1	B9	1	1.8693	+++++	+++++
2	B10	2	1.2447	1.507e10	3.013e10
3	B11	4	0.8001	9.115e9	3.646e10
4	B12	8	0.4515	4.704e9	3.764e10

**Sample\_15\_Mean [cp/ml] = 3.474e10****Sample\_15\_CV [%] = 11.6****Sample\_16**

Index	Well	Dilution	Values	Result	Dil.Result
1	C9	1	0.7849	8.918e9	8.918e9
2	C10	2	0.3998	4.078e9	8.156e9
3	C11	4	0.2540	2.367e9	9.466e9
4	C12	8	0.1339	1.045e9	8.363e9

**Sample\_16\_Mean [cp/ml] = 8.726e9****Sample\_16\_CV [%] = 6.8****Sample\_17**

Index	Well	Dilution	Values	Result	Dil.Result
1	D9	1	1.4741	+++++	+++++
2	D10	2	0.8847	1.022e10	2.045e10
3	D11	4	0.5683	6.150e9	2.460e10
4	D12	8	0.3198	3.128e9	2.502e10

**Sample\_17\_Mean [cp/ml] = 2.336e10****Sample\_17\_CV [%] = 10.8****Sample\_18**

Index	Well	Dilution	Values	Result	Dil.Result
1	E9	1	0.9070	1.052e10	1.052e10
2	E10	2	0.5332	5.711e9	1.142e10
3	E11	4	0.2803	2.668e9	1.067e10
4	E12	8	0.1603	1.326e9	1.061e10

**Sample\_18\_Mean [cp/ml] = 1.081e10****Sample\_18\_CV [%] = 3.8****Sample\_19**

Index	Well	Dilution	Values	Result	Dil.Result
1	F9	1	0.7920	9.010e9	9.010e9
2	F10	2	0.4611	4.822e9	9.643e9
3	F11	4	0.2491	2.311e9	9.243e9
4	F12	8	0.1442	1.154e9	9.233e9

**Sample\_19\_Mean [cp/ml] = 9.282e9****Sample\_19\_CV [%] = 2.8****Sample\_20**

Index	Well	Dilution	Values	Result	Dil.Result
1	G9	1	0.5592	6.036e9	6.036e9
2	G10	2	0.3340	3.294e9	6.589e9
3	G11	4	0.1677	1.406e9	5.624e9
4	G12	8	0.0936	6.315e8	5.052e9

**Sample\_20\_Mean [cp/ml] = 5.825e9****Sample\_20\_CV [%] = 11.2****Sample\_21**

Index	Well	Dilution	Values	Result	Dil.Result
1	H9	1	0.6562	7.261e9	7.261e9
2	H10	2	0.3631	3.639e9	7.278e9
3	H11	4	0.2077	1.845e9	7.381e9
4	H12	8	0.1284	9.877e8	7.902e9

**Sample\_21\_Mean [cp/ml] = 7.455e9****Sample\_21\_CV [%] = 4.1**