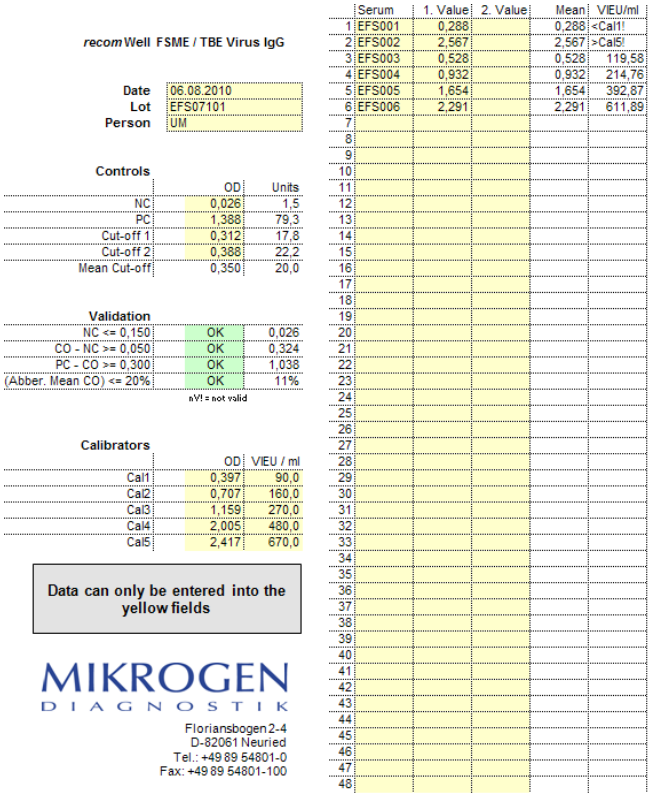
*recom*Well FSME / TBE Virus IgG

Recommendation to implement the calculation of Vienna-Units

The calculation of Vienna-Units (VIEU/ml) in *recom*Well FSME / TBE virus IgG is performed as follows:
The package contains 5 calibrators CAL 1, CAL 2, CAL 3, CAL 4, CAL 5 (0.35 ml each). The lot dependent antibody concentration of each calibrator (in VIEU/ml) is written on the bottle labels.

	Before use, the calibrators should be diluted 1 + 100.
e.g.	500 µl dilution buffer (Mikrogen) + 5 µl of each calibrator
	Mix well
In the test, 100 µl of each diluted calibrator is used	
In addition to the calibrators the Mikrogen controls (positive control, negative control, cutoff control in duplicate) have to be tested in each test run.	

For calculation (point-to-point calibration), an Excel calculation tool can be requested from Mikrogen.



*recom*Well FSME / TBE Virus IgG

Date	06.08.2010
Lot	EFS07101
Person	UM

Controls

	OD	Units
NC	0,026	1,5
PC	1,388	79,3
Cut-off 1	0,312	17,8
Cut-off 2	0,388	22,2
Mean Cut-off	0,350	20,0

Validation

NC <= 0,150	OK	0,026
CO - NC >= 0,050	OK	0,324
PC - CO >= 0,300	OK	1,038
(Abber. Mean CO) <= 20%	OK	11%

nV! = not valid

Calibrators

	OD	VIEU / ml
Cal1	0,397	90,0
Cal2	0,707	160,0
Cal3	1,159	270,0
Cal4	2,005	480,0
Cal5	2,417	670,0

Data can only be entered into the yellow fields

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	Serum	1. Value	2. Value	Mean	VIEU/ml
1	EFS001	0,288		0,288	<Cal1!
2	EFS002	2,567		2,567	>Cal5!
3	EFS003	0,528		0,528	119,58
4	EFS004	0,932		0,932	214,76
5	EFS005	1,654		1,654	392,87
6	EFS006	2,291		2,291	611,89

Please enter the OD values of the test validation (positive control, negative control, cutoff control in duplicate) into the appropriate fields.
The VIEU/ml values of the respective calibrator are written on the bottle labels. Please enter them and the corresponding OD values into the appropriate fields.
Then you can enter the OD values of patient sera. The VIEU are calculated regardless of whether you are working with single or double values.