Immuno-Assay Validation Report		
Facility: N°	Study director:	
BIOMARKER / ANALYTE: Precise the most common names of the analyte which will be measured by the assay.	TYPE OF ASSAY: ☐ Microtiter-competitive ELISA ☐ Microtiter-sandwich ELISA ☐ Bead-	
TYPE OF VALIDATION: □ Pre-exploratory validation (for PoT studies) □ Exploratory validation (during PoT studies) □ Pre-confirmatoryvalidation (for PoP studies) REAGENTS:	based immunoassay Microtiter multiplex MSD	
KEAGENTS:	h number:Date of production:	
☐ AntibodyBatcl	h number:Date of production:	
AntigeneSource:Batc	h number:Date of production:	
☐ StandardSource:Batcl	h number:Date of production:	
Date of validation study completed: Operator(s): Date: Validation procedure See SOP: SAFE-T Standard Validation Procedure for E	Biomarker immunoassays.	
Objectives / Intended use of the assay: To demonstrate that the performance characteristics of the assay. Define the intended use of the immune-assay (biological fluid, dis		
Immuno-assay validation plan Related to Immuno-Assay Validation Plan N°: Immuno-Assay validation plan written by:		
Validation results Attach all data record forms and charts (table of all analytical rule)	ns with analysis dates).	
Validation standards: Description of the validation standards and matrix used for validation the source and lot number, expiration date, certificates of analyse evidence of identity and purity should be furnished for each reference.	ses when available, and/or internally or externally generated	
Calibration curve The calibration curve should be shown with the fitting model clea A table for observed and fitted data should be provided.	arly indicated (e.g. 4PL, 5PL, etc).	

Assay dynamic range

LLOQ:

ULOQ:

Give a short reasoning for the determination of the LLOQ and ULOQ.

Sensitivity:

Limit of detection (LOD):

(minimum detectable dose).

Give a short overview of procedure used to determine the LOD.

Precision

Intra-assay precision:

The CV(%) of the middle concentration should be given.

Inter-assay precision:

A table with the mean value, the SD and CV for 5 samples with 3 different concentrations should be shown for inter-assay precision.

Operator-to-operator variability:

Show the effect of the operator on inter-assay variantion with at least 2 operators

Recovery: %

Mean recovery from triplicate measurements for 3 different concentrations covering the assay range

Selectivity / Specificity: % error

Potential interfering substance should be cited.

Parallelism

The parallelism curves and results should be shown.

Dilutional linearity

The dilutional linearity curve and results should be shown.

Robustness

- Stability
- Freeze and Thaw Stability:
- Short-Term Temperature Stability:
- Long-Term Stability:
- Stock Solution Stability:
 - Reliability

If data are available

Suitable matrix for analyte detection

Give a short reasoning for suitable matrix types.

Validation evaluation: Acceptance criteria pass/fail

Compare results to acceptance criteria.

Criteria	Results	Pass/Fail
(See validation plan)		•
Calibration		
Calibration curve:		D / D
appropriate model		
Assay dynamic range:		
		\Box / \Box
ritted to target range		
LLOQ:		
lowest calibrator concentration of th	e back calculated concentrations	
that does not exceed a CV of 20% will	nile the recovery is within 75-125%	
ULOQ:	he back calculated concentrations	
highest calibrator concentration of t	nile the recovery is within 75-125%	П/П
that does not exceed a CV of 20% wi	me the recovery is within 75-12570	<u></u> <u></u>
Sensitivity:		
-	n of the background	\Box / \Box
Accuracy:		
Precision:		
Intra-assay precision:		
15% CV for a sample in midrange		
lutar assau urasisian.		
Inter-assay precision: 20% CV for the VS samples		
		П/П
except for the LLOQ \ 30%		<u></u>
Recovery:		
100±20%		□ / □
Selectivity / Specificity:		
%error within reasonable range		
Parallelism:		
		<u> </u>
Dilution linearity:		
Dilution inleanty.		
Stability:		
Freeze and Thaw Stability:		
deviation should be within ±25%		
Short-Term Temperature S	-	
Long-Term Stability:		

deviation should be within ±25%	
Stock Solution Stability:	
deviation should be within ±15%	
Validation conclusion	
Is the assay validated?	
Protocol deviations / descriptions and justifications	
Additional data and information relevant to the validation	n study
All additional data needed for the validation report (Information about antibodies or reagen	
and Statistical Analyses,)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Validation report approval	
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Validation report approval Study director Name:	
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Study director Name: Facility:	
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