# AESKULISA Lactoferrin

**REF 3307** 

## Instruction manual

## Contents

1. Intended Use	1
2. Clinical Applications and Principle of the Assay	1
3. Kit Contents	2
4. Storage and Shelf Life	2
5. Precautions of Use	3
6. Sample Collection, Handling and Storage	3
7. Assay Procedure	4
8. Quantitative and Qualitative Interpretation	5
9. Technical Data	6
10. Performance Data	6-7
11. Literature	7
A : Pipetting scheme	8
B : Test Procedure	9

## 1. Intended Use

**AESKULISA Lactoferrin** is a solid phase enzyme immunoassay employing native human Lactoferrin for the quantitative and qualitative detection of antibodies against Lactoferrin in human serum. The assay is a tool in the diagnosis of autoimmune systemic vasculitis.

### 2. Clinical Application and Principle of the Assay

Lactoferrin was originally isolated from bovine milk, where it is found as a minor protein component of whey proteins. Lactoferrin contains 703 amino acids and has a molecular weight of 80 kilodaltons. In addition to its presence in milk, it is also found in exocrine secretions of mammals e.g. tears and milk. It also resides in the specific granules of polymorphnuclear neutrophil leukocytes (PMN) and is released from neutrophil granules during inflammation.

Lactoferrin belongs to the iron transporter or transferrin family, which can provide iron to those cells in need, and limit it to those in excess, maintaining an iron homeostasis within the body.

Moreover, lactoferrin is an important part of the body's natural defense. Studies show that it inhibits the binding of pathogens like H. pylori and E. coli to the intestinal wall. Many micro-organisms need iron for growth, by limiting the levels of free iron, lactoferrin can inhibit bacterial growth and help to deprive them of iron. The pathogens cellular structure loses its integrity because of the iron deprivation and necrosis ensues. It may also have antiviral activity which may be due to its inhibition of virus-cell fusion and viral entry into cells.

Antibodies against lactoferrin belong to the pANCA, depending on the redistribution from the granules toward the nuclei, upon ethanol fixation. These occur in higher frequency in patients with rheumatoid vasculitis (RV), ulcerative colitis (CU) and primary sclerosing cholangitis (PSC).

#### Principle of the test

Serum samples diluted 1:101 are incubated in the microplates coated with the specific antigen. Patient's antibodies, if present in the specimen, bind to the antigen. The unbound fraction is washed off in the following step. Afterwards anti-human immunoglobulins conjugated to horseradish peroxidase (conjugate) are incubated and react with the antigen-antibody complex of the samples in the microplates. Unbound conjugate is washed off in the following step. Addition of TMB-substrate generates an enzymatic colorimetric (blue) reaction, which is stopped by diluted acid (color changes to yellow). The rate of color formation from the chromogen is a function of the amount of conjugate bound to the antigen-antibody complex and this is proportional to the initial concentration of the respective antibodies in the patient sample.

## 3. Kit Contents

<i>To be reconstitute</i> 5x Sample Buffer	ed: 1 vial, 20 ml - 5x concentrated (capped white: yellow solution) Containing: Tris, NaCl, BSA, sodium azide < 0.1% (preservative)
50x Wash Buffer	1 vial, 20 ml - 50x concentrated (capped white: green solution) Containing: Tris, NaCl, Tween 20, sodium azide < 0.1% (preservative)
<i>Ready to use:</i> Negative Control	1 vial, 1.5 ml (capped green: colorless solution)
	Containing: Human serum (diluted), sodium azide < 0.1% (preservative)
Positive Control	1 vial, 1.5 ml (capped red: yellow solution) Containing: Human serum (diluted), sodium azide < 0.1% (preservative)
Cut-off Calibrator	1 vial, 1.5 ml (capped blue: yellow solution) Containing: Human serum (diluted), sodium azide < 0.1% (preservative)
Calibrators	6 vials, 1.5 ml each 0, 3, 10, 30, 100, 300 U/ml (color increasing with concentration: yellow solutions) Containing: Human serum (diluted), sodium azide < 0.1% (preservative)
Conjugate	1 vial,15 ml IgG (capped blue: blue solution) Containing: Anti-human immunoglobulins conjugated to horseradish peroxidase
TMB Substrate	1 vial, 15 ml (capped black) Containing: Stabilized TMB/H <sub>2</sub> O <sub>2</sub>
Stop Solution	1 vial, 15 ml (capped white: colorless solution) Containing: 1M Hydrochloric Acid
Microtiterplate	12x8 well strips with breakaway microwells Coating see paragraph 1

#### Material required but not provided:

Microtiter plate reader 450 nm reading filter and optional 620 nm reference filter (600-690 nm). Glass ware(cylinder 100-1000ml), test tubes for dilutions. Vortex mixer, precision pipettes (10, 100, 200, 500, 1000  $\mu$ l) or adjustable multipipette (100-1000ml). Microplate washing device (300  $\mu$ l repeating or multi-channel pipette or automated system), adsorbent paper.

Our tests are designed to be used with purified water according to the definition of the United States Pharmacopeia (USP 26 - NF 21) and the European Pharmacopeia (Eur.Ph. 4th ed.).

## 4. Storage and Shelf Life

Store all reagents and the microplate at 2-8°C/35-46°F, in their original containers. Once prepared, reconstituted solutions are stable for 1 month at 4°C/39°F, at least. *Reagents and the microplate shall be used within the expiry date indicated on each component, only. Avoid intense exposure of TMB solution to light. Store microplates in designated foil, including the desiccant, and seal tightly.* 

#### 5.1 Health hazard data

**THIS PRODUCT IS FOR IN VITRO DIAGNOSTIC USE ONLY.** Thus, only staff trained and specially advised in methods of in vitro diagnostics may perform the kit. Although this product is not considered particularly toxic or dangerous in conditions of normal use, refer to the following for maximum safety :

#### Recommendations and precautions

This kit contains potentially hazardous components. Though kit reagents are not classified being irritant to eyes and skin we recommend to avoid contact with eyes and skin and wear disposable gloves.

WARNING ! Calibrators, Controls and Buffers contain sodium azide  $(NaN_3)$  as a preservative.  $NaN_3$  may be toxic if ingested or adsorbed by skin or eyes.  $NaN_3$  may react with lead and copper plumbing to form highly explosive metal azides. On disposal, flush with a large volume of water to prevent azide build-up. Please refer to decontamination procedures as outlined by CDC or other local/national guidelines.

Do not smoke, eat or drink when manipulating the kit.

Do not pipette by mouth.

All human source material used for some reagents of this kit (controls, standards e.g.) has been tested by approved methods and found negative for HbsAg, Hepatitis C and HIV 1. However, no test can guarantee the absence of viral agents in such material completely. Thus handle kit controls, standards and patient samples as if capable of transmitting infectious diseases and according to national requirements.

#### 5.2 General directions for use

Do not mix or substitute reagents or microplates from different lot numbers. This may lead to variations in the results.

Allow all components to reach room temperature (20-32°C/68-89.6°F) before use, mix well and follow the recommended incubation scheme for an optimum performance of the test.

#### Incubation: We recommend test performance at 30°C/86°F for automated systems.

Never expose components to higher temperature than 37°C/ 98.6 °F.

Always pipette substrate solution with brand new tips only. Protect this reagent from light. Never pipette conjugate with tips used with other reagents prior.

A definite clinical diagnosis should not be based on the results of the performed test only, but should be made by the physician after all clinical and laboratory findings have been evaluated. The diagnosis is to be verified using different diagnostic methods.

## 6. Sample Collection, Handling and Storage

Use preferentially freshly collected serum samples. Blood withdrawal must follow national requirements.

Do not use icteric, lipemic, hemolysed or bacterially contaminated samples. Sera with particles should be cleared by low speed centrifugation (<1000 x g). Blood samples should be collected in clean, dry and empty tubes. After separation, the serum samples should be used immediately, respectively stored tightly closed at 2-8°C/35-46°F up to three days, or frozen at -20°C/-4°F for longer periods.

#### 7.1 Preparations prior to pipetting

Dilute concentrated reagents:

Dilute the concentrated sample buffer 1:5 with distilled water (e.g. 20 ml plus 80 ml). Dilute the concentrated wash buffer 1:50 with distilled water (e.g. 20 ml plus 980 ml).

#### Samples:

Dilute serum samples 1:101 with sample buffer (1x) e.g. 1000  $\mu$ l sample buffer (1x) + 10  $\mu$ l serum. Mix well !

#### Washing:

Prepare 20 ml of diluted wash buffer (1x) per 8 wells or 200 ml for 96 wells e.g. 4 ml concentrate plus 196 ml distilled water.

#### Automated washing:

Consider excess volumes required for setting up the instrument and dead volume of robot pipette.

#### Manual washing:

Discard liquid from wells by inverting the plate. Knock the microwell frame with wells downside vigorously on clean adsorbent paper. Pipette 300  $\mu$ l of diluted wash buffer into each well, wait for 20 seconds. Repeat the whole procedure twice again.

#### Microplates:

Calculate the number of wells required for the test. Remove unused wells from the frame, replace and store in the provided plastic bag, together with desiccant, seal tightly (2-8°C/35-46°F).

#### 7.2 Work flow

For pipetting scheme see Annex A, for the test procedure see Annex B We recommend pipetting samples and calibrators in duplicate. Cut-off calibrator should be used for qualitative testing only.

- Pipette 100 µl of each patient's diluted serum into the designated microwells.
- Pipette 100 µl calibrators OR cut-off calibrator and negative and positive controls into the designated wells.
- Incubate for 30 minutes at 20-32°C/68-89.6°F.
- Wash 3x with 300 µl washing buffer (diluted 1:50).
- Pipette 100 µl conjugate into each well.
- Incubate for 30 minutes at 20-32°C/68-89.6°F.
- Wash 3x with 300 µl washing buffer (diluted 1:50).
- Pipette 100 µl TMB substrate into each well.
- Incubate for 30 minutes at 20-32°C/68-89.6°F, protected from intense light.
- Pipette 100 µl stop solution into each well, using the same order as pipetting the substrate.
- Incubate 5 minutes minimum.
- Agitate plate carefully for 5 sec.
- Read absorbance at 450 nm (optionally 450/620 nm) within 30 minutes.

## 8. Quantitative and Qualitative Interpretation

For **quantitative interpretation** establish the standard curve by plotting the **optical density (OD) of each calibrator (y-axis)** with respect to the corresponding concentration values in **U/ml (x-axis)**. For best results we recommend log/lin coordinates and 4-Parameter Fit. From the OD of each sample, read the corresponding antibody concentrations expressed in **U/ml**.

Normal Range	Equivocal Range	<b>Positive Results</b>
< 12 U/ml	12 - 18 U/ml	>18 U/ml

#### Example of a standard curve

We recommend pipetting calibrators in parallel for each run.

Calibrators IgG	OD 450/620 nm	CV % (Variation)
0 U/ml	0.039	1.0
3 U/ml	0.138	3.1
10 U/ml	0.284	1.5
30 U/ml	0.595	0.8
100 U/ml	1.186	0.6
300 U/ml	2.063	1.0

#### Example of calculation

Patient	Replicate (OD)	Mean (OD)	Result (U/ml)
P 01	1.338/ 1.387	1.358	123.9
P 02	0.745/ 0.739	0.739	43.7

For lot specific data, see enclosed quality control leaflet. Medical laboratories might perform an inhouse Quality Control by using own controls and/or internal pooled sera, as foreseen by EU regulations.

#### Do not use this example for interpreting patients results!

Each laboratory should establish its own normal range based upon its own techniques, controls, equipment and patient population according to their own established procedures.

For qualitative interpretation read the optical density of the cut-off calibrator and the patient samples. Compare patient'sOD with the OD of the cut-off calibrator. For qualitative interpretation we recommend to consider sera within a range of 20% around the cut-off value as equivocal. All samples with higher ODs are considered positive, samples with lower ODs are considered negative.

Negative:	OD patient < 0.8 x OD cut-off
Equivocal:	$0.8 \times OD_{cut-off} \le OD_{patient} \le 1.2 \times OD_{cut-off}$
Positive	OD patient > 1.2 x OD cut-off

## 9. Technical Data

Sample material:	serum
Sample volume:	10 µl of sample diluted 1:101 with 1x sample buffer
Total incubation time:	90 minutes at 20-32°C/68-89.6°F
Calibration range:	0-300 U/ml
Analytical sensitivity:	1.0 U/ml
Storage:	at 2-8°C/35-46°F use original vials, only
Number of determinations:	96 tests

## **10. Performance Data**

#### **10.1 Analytical sensitivity**

Testing sample buffer 30 times on AESKULISA Lactoferrin gave an analytical sensivity of 1.0 U/ml.

#### 10.2 Specificity and sensitivity

The microplate is coated with highly purified *native human Lactoferrin*. No crossreactivities to other autoantigens have been found.

#### 10.3 Linearity

Chosen sera have been tested with this kit and found to dilute linearly. However, due to the heterogeneous nature of human autoantibodies there might be samples that do not follow this rule.

		measured	expected	
Sample	Dilution	concentration	concentration	Recovery
No.	Factor	(U/ml)	(U/ml)	(%)
1	1 / 100	137.0	138.0	99.3
	1 / 200	67.0	69.0	97.1
	1 / 400	33.1	34.5	95.9
	1 / 800	16.5	17.3	95.4
2	1 / 100	74.1	75.0	98.8
	1 / 200	36.9	37.5	98.4
	1 / 400	18.1	18.8	96.3
	1 / 800	9.6	9.4	102.0

#### **10.4 Precision**

To determine the precision of the assay, the variability (intra and inter-assay) was assessed by examining its reproducibility on three serum samples selected to represent a range over the standard curve.

In	tra-Assa	ay
Sample	Mean	CV
No.	(U/ml)	(%)
1	141.0	5.8
2	35.0	3.6
3	19.0	2.8

In	ter-Assa	ay
Sample	Mean	CV
No.	(U/ml)	(%)
1	138.0	4.5
2	38.0	2.6
3	18.0	3.8

#### **10.5 Calibration**

Due to the lack of international reference calibration Lactoferrin is calibrated in arbitrary units (U/ml).

#### 11. Literature

- Swart PJ, Kuipers EM, Smit C, Van Der Strate BW, Harmsen MC, Meijer DK (1998) Lactoferrin. Antiviral activity of lactoferrin. Adv Exp Med Biol 443: 205-213.
- Seibold F, Weber P, Klein R, Berg PA, Wiedmann KH (1992). Clinical significance of antibodies against neutrophils in patients with inflammatory bowel disease and primary sclerosing cholangitis. Gut 33: 657-662.
- **3.** Gross WL, Hauschild S, Mistry N (1993) . The clinical relevance of ANCA in vasulitis 7-11 5th International ANCA Workshop, Cambridge. Clin Exp Immunol 93 (Suppl. 1).
- **4.** Peen E, Almer S, Bodemar G, Ryden BO, Sjolin C, Tejle K, Skogh T (1993). Antilactoferrin antibodies and other types of ANCA in ulcerative colitis, primary sclerosing cholangitis and Crohn's disease. Gut 34: 56-62.

#### **ANNEX A: Pipetting scheme**

We suggest pipetting calibrators, controls and samples as follows: For quantitative interpretation use calibrators to establish a standard curve. For qualitative interpretation use cut-off calibrator.

	-	<b>antitat</b> i s to est		-			-	<b>alitativ</b> ibrator	e inter	pretati	on use	cut-
	1	2	3	4	5	6	7	8	9	10	11	12
Α	CalA	CalE	P1				NC	P2				
В	CalA	CalE	P1				NC	P2				
С	CalB	CalF	P2				CC	P3				
D	CalB	CalF	P2				CC	P3				
Ε	CalC	PC	P3				PC					
F	CalC	PC	P3				PC					
G	CalD	NC					P1					
Н	CalD	NC					P1					

CalA: calibrator A, CalB: calibrator B, CalC: calibrator C, CalD: calibrator D, CalE: calibrator E, CalF: calibrator F

PC: positive control

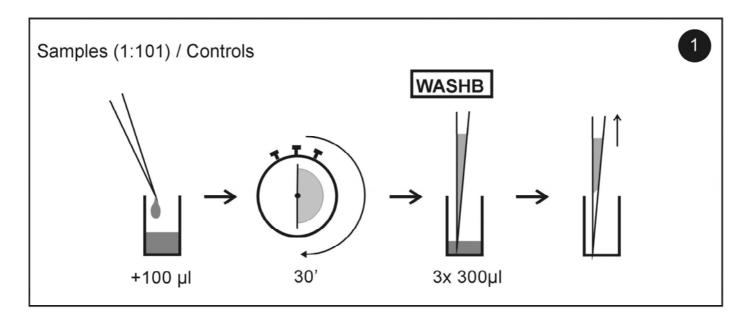
NC: negative control

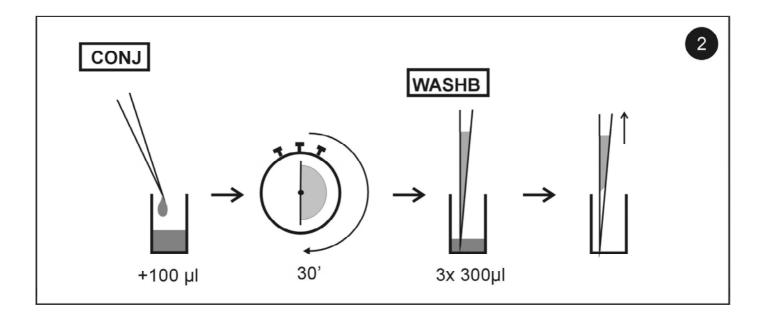
CC: Cut-off calibrator

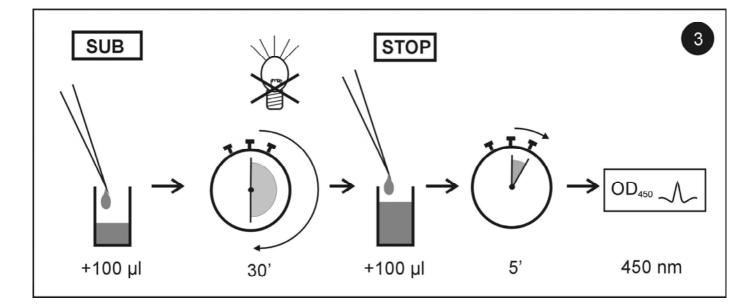
- P1: patient 1
- P2: patient 2

P3: patient 3

## **Annex B: Test Procedure**







		12								
		=								
Date/ Datum:	ıterschrift	10								
Date/	Signature/Unterschrift	6								
	Si	∞								
mim	min	7								
1.	3. 2.	9								
nkub. :		s								
Incubation / Inkub. :	°C	4								
In	Ho Lo	m								
	 	7								
	e/Temperat	1								
Assay/Test:	Temperature/Temperatur:		Α	В	C	D	Е	F	G	Н

	<ul> <li>Discussed in other</li> </ul>	
	<ul> <li>Diagnosi in vitro</li> </ul>	<ul> <li>For in vitro diagnostic use</li> </ul>
	<ul> <li>Pour diagnostic in vitro</li> </ul>	<ul> <li>Para uso diagnóstico in vitro</li> </ul>
	<ul> <li>In Vitro Diagnostikum</li> </ul>	<ul> <li>In Vitro Διαγνωστικό μέσο</li> </ul>
	<ul> <li>Para uso Diagnóstico in vitro</li> </ul>	
	Numero d'ordine	Cataloge number
REF	Référence Catalogue	<ul> <li>Numéro de catálogo</li> </ul>
	Bestellnummer	<ul> <li>Αριθμός παραγγελίας</li> </ul>
	Número de catálogo	
	Descrizione lotto	◆ Lot
	◆ Lot	◆ Lote
LOI	<ul> <li>Chargen Bezeichnung</li> </ul>	<ul> <li>Χαρακτηρισμός παρτίδας</li> </ul>
	♦ Lote	
	<ul> <li>Conformità europea</li> </ul>	<ul> <li>EC Declaration of Conformity</li> </ul>
CE	<ul> <li>Déclaration CE de Conformité</li> </ul>	<ul> <li>Declaración CE de Conformidad</li> </ul>
	<ul> <li>Europäische Konformität</li> </ul>	<ul> <li>Ευρωπαϊκή συμφωνία</li> </ul>
	<ul> <li>Déclaração CE de Conformidade</li> </ul>	
	<ul> <li>96 determinazioni</li> </ul>	♦ 96 tests
<b>\96</b>	♦ 96 tests	♦ 96 pruebas
	<ul> <li>96 Bestimmungen</li> </ul>	<ul> <li>96 προσδιορισμοί</li> </ul>
	♦ 96 Testes	
	<ul> <li>Rispettare le istruzioni per l'uso</li> </ul>	<ul> <li>See instructions for use</li> </ul>
	<ul> <li>Voir les instructions d'utilisation</li> </ul>	<ul> <li>Ver las instrucciones de uso</li> </ul>
	<ul> <li>Gebrauchsanweisung beachten</li> </ul>	<ul> <li>Λάβετε υπόψη τις οδηγίες χρήσης</li> </ul>
	<ul> <li>Ver as instrucões de uso</li> </ul>	
	<ul> <li>Da utilizzarsi entro</li> </ul>	♦ Use by
	<ul> <li>Utilise avant le</li> </ul>	<ul> <li>Utilizar antes de</li> </ul>
	<ul> <li>Verwendbar bis</li> </ul>	<ul> <li>Χρήση μέχρι</li> </ul>
	<ul> <li>Utilizar antes de</li> </ul>	
	<ul> <li>Conservare a 2-8°C</li> </ul>	<ul> <li>Store at 2-8°C (35-46°F)</li> </ul>
	♦ Conserver à 2-8°C	♦ Conservar a 2-8°C
+2°C	♦ Lagerung bei 2-8°C	Φυλάσσεται στους 2-8°C
<u>v</u>	♦ Conservar entre 2-8°C	
	♦ Prodotto da	<ul> <li>Manufactured by</li> </ul>
	♦ Fabriqué par	<ul> <li>Fabricado por</li> </ul>
	<ul> <li>♦ Hergestellt von</li> </ul>	<ul> <li>Κατασκευάζεται από</li> </ul>
	<ul> <li>Fabricado por</li> </ul>	
	<ul> <li>Calibratore cut-off</li> </ul>	<ul> <li>Cut off Calibrator</li> </ul>
00 041	<ul> <li>Etalon Seuil</li> </ul>	<ul> <li>Calibrador de cut-off</li> </ul>
UU-UAL	<ul> <li>Grenzwert Kalibrator</li> </ul>	<ul> <li>Οριακός ορός Αντιδραστήριο βαθμονόμησης</li> </ul>
	<ul> <li>Calibrador de cut-off</li> </ul>	
	<ul> <li>Controllo positivo</li> </ul>	<ul> <li>Positive Control</li> </ul>
CONL	<ul> <li>♦ Contrôle Positif</li> </ul>	Control Positivo
	Positiv Kontrolle	<ul> <li>Θετικός ορός ελέγχου</li> </ul>
	♦ Controlo positivo	
	♦ Controllo negativo	<ul> <li>Negative Control</li> </ul>
	<ul> <li>Contrôle Négatif</li> </ul>	<ul> <li>Control Negativo</li> </ul>
CON-	<ul> <li>Contrôle Négatif</li> <li>Negativ Kontrolle</li> </ul>	<ul> <li>♦ Control Negativo</li> <li>♦ Αρνητικός ορός ελέγχου</li> </ul>
CON-	<ul> <li>Contrôle Négatif</li> <li>Negativ Kontrolle</li> <li>Controlo negativo</li> </ul>	<ul> <li>Control Negativo</li> <li>Αρνητικός ορός ελέγχου</li> </ul>
CON-	Negativ Kontrolle	-
CON-	Negativ Kontrolle     Controlo negativo     Calibratore	<ul> <li>Αρνητικός ορός ελέγχου</li> </ul>
CON-	<ul> <li>Negativ Kontrolle</li> <li>Controlo negativo</li> </ul>	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrador</li> </ul>
CON –	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> </ul>
CON -	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrador</li> </ul>
CON- CAL	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrador	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrador</li> <li>Αντιδραστήριο βαθμονόμησης</li> </ul>
CON - CAL	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrador     Recupero	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrador</li> <li>Αντιδραστήριο βαθμονόμησης</li> <li>Recovery</li> </ul>
CON - CAL RC	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrador     Recupero     Corrélation	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrador</li> <li>Αντιδραστήριο βαθμονόμησης</li> <li>Recovery</li> <li>Recuperado</li> </ul>
CON- CAL RC	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrador     Recupero     Corrélation     Wiederfindung	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrador</li> <li>Αντιδραστήριο βαθμονόμησης</li> <li>Recovery</li> <li>Recuperado</li> </ul>
CON- CAL RC	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrador     Recupero     Corrélation     Wiederfindung     Recuperação	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrador</li> <li>Αντιδραστήριο βαθμονόμησης</li> <li>Recovery</li> <li>Recuperado</li> <li>Ανάκτηση</li> </ul>
CON - CAL RC	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrador     Recupero     Corrélation     Wiederfindung     Recuperacão     Coniugato	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrador</li> <li>Αντιδραστήριο βαθμονόμησης</li> <li>Recovery</li> <li>Recuperado</li> <li>Ανάκτηση</li> <li>Conjugate</li> </ul>
CON - CAL RC CONJ	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrador     Calibrador     Corrélation     Wiederfindung     Recuperacão     Conjugato     Conjugé	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrador</li> <li>Αντιδραστήριο βαθμονόμησης</li> <li>Recovery</li> <li>Recuperado</li> <li>Ανάκτηση</li> <li>Conjugate</li> <li>Conjugado</li> </ul>
CON - CAL RC	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrador     Calibrador     Recupero     Corrélation     Wiederfindung     Recuperacão     Coniugato     Conjugé     Konjugat	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrador</li> <li>Αντιδραστήριο βαθμονόμησης</li> <li>Recovery</li> <li>Recuperado</li> <li>Ανάκτηση</li> <li>Conjugate</li> <li>Conjugado</li> </ul>
	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrador     Calibrador     Recupero     Corrélation     Wiederfindung     Recuperacão     Conjugato     Conjugat     Conjugat	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrador</li> <li>Αντιδραστήριο βαθμονόμησης</li> <li>Recovery</li> <li>Recuperado</li> <li>Ανάκτηση</li> <li>Conjugate</li> <li>Conjugado</li> <li>Σύζευγμα</li> </ul>
CON - CAL RC CONJ	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrador     Recupero     Corrélation     Wiederfindung     Recuperacão     Conjugato     Conjugé     Konjugat     Conjugado     Micropiastra rivestita	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrador</li> <li>Αντιδραστήριο βαθμονόμησης</li> <li>Recovery</li> <li>Recuperado</li> <li>Ανάκτηση</li> <li>Conjugate</li> <li>Conjugado</li> <li>Σύζευγμα</li> <li>Coated microtiter plate</li> </ul>
	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrador     Recupero     Corrélation     Wiederfindung     Recuperacão     Conjugát     Conjugát     Conjugát     Conjugato     Micropiastra rivestita     Microplaque sensibilisée	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrador</li> <li>Αντιδραστήριο βαθμονόμησης</li> <li>Recovery</li> <li>Recuperado</li> <li>Ανάκτηση</li> <li>Conjugate</li> <li>Conjugado</li> <li>Σύζευγμα</li> <li>Coated microtiter plate</li> <li>Microplaca sensibilizada</li> </ul>
	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrador     Calibrador     Corrélation     Wiederfindung     Recuperacão     Conjugé     Konjugat     Conjugat     Conjugat     Micropiastra rivestita     Microplaque sensibilisée     Beschichtete Mikrotiterplatte	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrador</li> <li>Αντιδραστήριο βαθμονόμησης</li> <li>Recovery</li> <li>Recuperado</li> <li>Ανάκτηση</li> <li>Conjugate</li> <li>Conjugado</li> <li>Σύζευγμα</li> <li>Coated microtiter plate</li> <li>Microplaca sensibilizada</li> </ul>
MP	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrador     Calibrador     Corrélation     Wiederfindung     Recuperacão     Conjugé     Konjugat     Conjugat     Conjugat     Micropiastra rivestita     Microplacu sensibilisée     Beschichtete Mikrotiterplatte     Microplaca revestida	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrador</li> <li>Αντιδραστήριο βαθμονόμησης</li> <li>Recovery</li> <li>Recuperado</li> <li>Ανάκτηση</li> <li>Conjugate</li> <li>Conjugado</li> <li>Σύζευγμα</li> <li>Coated microtiter plate</li> <li>Microplaca sensibilizada</li> <li>Επικαλυμμένη μικροπλάκα</li> </ul>
	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrador     Calibrador     Corrélation     Viederfindung     Recuperacão     Conjugát     Conjugát     Conjugát     Conjugát     Microplastra rivestita     Microplace revestida     Piastra ad aghi rivestita	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrator</li> <li>Aντιδραστήριο βαθμονόμησης</li> <li>Recovery</li> <li>Recuperado</li> <li>Ανάκτηση</li> <li>Conjugate</li> <li>Conjugate</li> <li>Conjugado</li> <li>Σύζευγμα</li> <li>Coated microtiter plate</li> <li>Μicroplaca sensibilizada</li> <li>Επικαλυμμένη μικροπλάκα</li> <li>Coated pinplate</li> </ul>
MP	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrador     Calibrador     Corrélation     Vviederfindung     Recuperacão     Conjugato     Conjugato     Conjugato     Micropiastra rivestita     Microplaca revestida     Piastra ad aghi rivestita     Pinplate sensibilisée	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrator</li> <li>Aντιδραστήριο βαθμονόμησης</li> <li>Recovery</li> <li>Recuperado</li> <li>Ανάκτηση</li> <li>Conjugate</li> <li>Conjugado</li> <li>Σύζευγμα</li> <li>Coated microtiter plate</li> <li>Μicroplaca sensibilizada</li> <li>Επικαλυμμένη μικροπλάκα</li> <li>Coated pinplate</li> <li>Pinplate sensibilizada</li> </ul>
MP	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrador     Calibrador     Recupero     Corrélation     Wiederfindung     Recuperacão     Conjugato     Conjugé     Konjugat     Conjugado     Microplastra rivestita     Microplaque sensibilisée     Beschichtete Mirrolterplatte     Microplate revestida     Pinslate sensibilisé     Beschichtete Pinplatte     Pinplate revestida	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrator</li> <li>Aντιδραστήριο βαθμονόμησης</li> <li>Recovery</li> <li>Recuperado</li> <li>Ανάκτηση</li> <li>Conjugate</li> <li>Conjugado</li> <li>Σύζευγμα</li> <li>Coated microtiter plate</li> <li>Μicroplaca sensibilizada</li> <li>Επικαλυμμένη μικροπλάκα</li> <li>Coated pinplate</li> <li>Pinplate sensibilizada</li> </ul>
PINP	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrador     Calibrador     Recupero     Corrélation     Wiederfindung     Recuperacão     Conjugá     Konjugat     Conjugá     Konjugat     Conjugado     Microplacure sensibilisée     Beschichtete Mikrotiterplatte     Microplaca revestida     Pinplate sensibilisée     Beschichtete Pinplatte     Pinplate revestida     Tampone di lavaggio	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrador</li> <li>Αντιδραστήριο βαθμονόμησης</li> <li>Recovery</li> <li>Recuperado</li> <li>Ανάκτηση</li> <li>Conjugate</li> <li>Conjugato</li> <li>Σύζευγμα</li> <li>Coated microtiter plate</li> <li>Microplaca sensibilizada</li> <li>Επικαλυμμένη μικροπλάκα Pin</li> </ul>
MP	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrador     Calibrador     Recupero     Corrélation     Wiederfindung     Recuperacão     Conjugato     Conjugé     Konjugat     Conjugado     Microplastra rivestita     Microplaque sensibilisée     Beschichtete Mirrolterplatte     Microplate revestida     Pinslate sensibilisé     Beschichtete Pinplatte     Pinplate revestida	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrator</li> <li>Aντιδραστήριο βαθμονόμησης</li> <li>Recovery</li> <li>Recuperado</li> <li>Ανάκτηση</li> <li>Conjugate</li> <li>Conjugato</li> <li>Σύζευγμα</li> <li>Coated microtiter plate</li> <li>Microplaca sensibilizada</li> <li>Επικαλυμμένη μικροπλάκα</li> <li>Coated pinplate</li> <li>Ρinplate sensibilizada</li> <li>Επικαλυμμένη πλάκα Pin</li> <li>Wash buffer</li> <li>Solución de lavado</li> </ul>
PINP	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrador     Calibrador     Colibrador     Corrélation     Viederfindung     Recupero     Corrélation     Viederfindung     Recuperacão     Conjugá     Konjugat     Conjugé     Konjugat     Conjugado     Microplastra rivestita     Microplaca revestida     Piastra ad aghi rivestita     Pinplate sensibilisée     Beschichtete Pinplatte     Pinplate revestida     Tampone di lavaggio     Tampone de Lavage     Waschpuffer	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrador</li> <li>Αντιδραστήριο βαθμονόμησης</li> <li>Recovery</li> <li>Recuperado</li> <li>Ανάκτηση</li> <li>Conjugate</li> <li>Conjugato</li> <li>Σύζευγμα</li> <li>Coated microtiter plate</li> <li>Microplaca sensibilizada</li> <li>Επικαλυμμένη μικροπλάκα Pin</li> <li>Wash buffer</li> </ul>
PINP	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrador     Calibrador     Colibrador     Corrélation     Viederfindung     Recupero     Coniugato     Conjugé     Konjugat     Conjugé     Konjugat     Conjugado     Microplastra rivestita     Microplaca revestida     Piastra ad aghi rivestita     Pinplate sensibilisée     Beschichtete Pinplatte     Pinplate revestida     Tampone di lavaggio     Tampone de Lavage     Waschpuffer     Solucão de lavagem	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrator</li> <li>Calibrador</li> <li>Αντιδραστήριο βαθμονόμησης</li> <li>Recovery</li> <li>Recuperado</li> <li>Ανάκτηση</li> <li>Conjugate</li> <li>Conjugate</li> <li>Conjugado</li> <li>Σύζευγμα</li> <li>Coated microtiter plate</li> <li>Μicroplaca sensibilizada</li> <li>Επικαλυμμένη μικροπλάκα</li> <li>Coated pinplate</li> <li>Ρinplate sensibilizada</li> <li>Επικαλυμμένη πλάκα Pin</li> <li>Wash buffer</li> <li>Solución de Iavado</li> <li>Ρυθμιστικό διάλυμα πλύσης</li> </ul>
MP PINP WASHB 50x	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrator     Calibrador     Recupero     Corrélation     Vviederfindung     Recuperacão     Conjugato     Conjugat     Conjugato     Microplazentrivestita     Microplaque sensibilisée     Beschichtete Mikrotiterplatte     Microplaca revestida     Piastra ad aghi rivestita     Pinplate sensibilisée     Beschichtete Pinplatte     Pinplate revestida     Pinplate revestida     Tampone di lavaggio     Tampone substrato	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrator</li> <li>Calibrador</li> <li>Αντιδραστήριο βαθμονόμησης</li> <li>Recovery</li> <li>Recuperado</li> <li>Ανάκτηση</li> <li>Conjugate</li> <li>Conjugado</li> <li>Σύζευγμα</li> <li>Coated microtiter plate</li> <li>Μicroplaca sensibilizada</li> <li>Επικαλυμμένη μικροπλάκα</li> <li>Coated pinplate</li> <li>Ρinplate sensibilizada</li> <li>Επικαλυμμένη πλάκα Pin</li> <li>Wash buffer</li> <li>Solución de lavado</li> <li>Ρυθμιστικό διάλυμα πλύσης</li> <li>Substrate buffer</li> </ul>
MP PINP WASHB 50x	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrador     Calibrador     Recupero     Corrélation     Wiederfindung     Recuperação     Conjugato     Conjugé     Konjugat     Conjugado     Microplastra rivestita     Microplaque sensibilisée     Beschichtete Mikrotiterplatte     Microplata revestida     Piastra ad aghi rivestita     Pinplate sensibilisée     Beschichtete Pinplatte     Pinplate revestida     Tampone di lavaggio     Tampone substrato     Substrat	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrador</li> <li>Αντιδραστήριο βαθμονόμησης</li> <li>Recovery</li> <li>Recuperado</li> <li>Ανάκτηση</li> <li>Conjugate</li> <li>Conjugate</li> <li>Conjugado</li> <li>Σύζευγμα</li> <li>Coated microtiter plate</li> <li>Microplaca sensibilizada</li> <li>Επικαλυμμένη μικροπλάκα</li> <li>Coated pinplate</li> <li>Ρinplate sensibilizada</li> <li>Επικαλυμμένη πλάκα Pin</li> <li>Wash buffer</li> <li>Solución de lavado</li> <li>Ρυθμιστικό διάλυμα πλύσης</li> <li>Substrate buffer</li> <li>Tampón sustrato</li> </ul>
PINP	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrador     Calibrador     Calibrador     Recupero     Corrélation     Wiederfindung     Recuperacão     Conjugato     Conjugé     Konjugat     Conjugé     Konjugat     Conjugé     Microplaque sensibilisée     Beschichtete Mikrotiterplatte     Microplaque sensibilisée     Beschichtete Pinplatte     Pinplate sensibilisée     Beschichtete Pinplatte     Pinplate revestida     Tampone di lavaggio     Tampone de lavage     Waschpuffer     Solucão de lavagem     Tampone substrato     Substrat     Substratpuffer	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrator</li> <li>Calibrador</li> <li>Αντιδραστήριο βαθμονόμησης</li> <li>Recovery</li> <li>Recuperado</li> <li>Ανάκτηση</li> <li>Conjugate</li> <li>Conjugado</li> <li>Σύζευγμα</li> <li>Coated microtiter plate</li> <li>Μicroplaca sensibilizada</li> <li>Επικαλυμμένη μικροπλάκα</li> <li>Coated pinplate</li> <li>Ρinplate sensibilizada</li> <li>Επικαλυμμένη πλάκα Pin</li> <li>Wash buffer</li> <li>Solución de lavado</li> <li>Ρυθμιστικό διάλυμα πλύσης</li> <li>Substrate buffer</li> </ul>
MP PINP WASHB 50x	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrator     Calibrador     Calibrador     Corrélation     Viederfindung     Recuperoa     Conjugat     Conjugat     Conjugat     Conjugado     Microplastra rivestita     Microplastra rivestita     Microplastra rivestita     Piastra ad aghi rivestita     Pinplate sensibilisée     Beschichtete Mikrotiterplatte     Pinplate sensibilisée     Beschichtete Nipatte     Pinplate sensibilisée     Beschichtete     Solucão de lavage     Vaschpuffer     Substrato	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrator</li> <li>Calibrador</li> <li>Αντιδραστήριο βαθμονόμησης</li> <li>Recovery</li> <li>Recuperado</li> <li>Ανάκτηση</li> <li>Conjugate</li> <li>Conjugate</li> <li>Conjugado</li> <li>Σύζευγμα</li> <li>Coated microtiter plate</li> <li>Microplaca sensibilizada</li> <li>Επικαλυμμένη μικροπλάκα</li> <li>Coated pinplate</li> <li>Ρinplate sensibilizada</li> <li>Επικαλυμμένη πλάκα Pin</li> <li>Wash buffer</li> <li>Solución de lavado</li> <li>Ρυθμιστικό διάλυμα πλύσης</li> <li>Substrate buffer</li> <li>Ταπρόn sustrato</li> <li>Ρυθμιστικό διάλυμα υποστρώματος</li> </ul>
MP PINP WASHB 50x	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrador     Calibrador     Colibrador     Corrélation     Wiederfindung     Recuperacão     Conjugá     Conjugá     Konjugat     Conjugádo     Microplastra rivestita     Microplastra rivestita     Microplace revestida     Piastra ad aghi rivestita     Pinplate sensibilisée     Beschichtete Mikrotiterplatte     Pinplate revestida     Tampone di lavaggio     Tampone substrato     Substrat     Substratu	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrator</li> <li>Calibrador</li> <li>Αντιδραστήριο βαθμονόμησης</li> <li>Recovery</li> <li>Recuperado</li> <li>Ανάκτηση</li> <li>Conjugate</li> <li>Conjugate</li> <li>Conjugado</li> <li>Σύζευγμα</li> <li>Coated microtiter plate</li> <li>Microplaca sensibilizada</li> <li>Επικαλυμμένη μικροπλάκα</li> <li>Coated pinplate</li> <li>Pinplate sensibilizada</li> <li>Επικαλυμμένη πλάκα Pin</li> <li>Wash buffer</li> <li>Solución de lavado</li> <li>Ρυθμιστικό διάλυμα πλύσης</li> <li>Substrate buffer</li> <li>Tampón sustrato</li> <li>Ρυθμιστικό διάλυμα υποστρώματος</li> <li>Stop solution</li> </ul>
MP PINP WASHB 50x SUB	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrator     Calibrator     Calibrator     Colibrator     Corrélation     Vviederfindung     Recupero     Conjugato     Conjugato     Conjugat     Conjugato     Microplastra rivestita     Microplastra rivestita     Pinplate sensibilisée     Beschichtete Pinplatte     Pinplate revestida     Pinplate revestida     Tampone di lavaggio     Tampone di lavage     Waschpuffer     Solucão de lavage     Vaschpuffer     Substrat     Substrat     Substrat     Substrat     Substrat     Reagente bloccante     Solution d'Arrêt	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrador</li> <li>Αντιδραστήριο βαθμονόμησης</li> <li>Recovery</li> <li>Recouperado</li> <li>Ανάκτηση</li> <li>Conjugate</li> <li>Conjugato</li> <li>Σύζευγμα</li> <li>Coated microtiter plate</li> <li>Microplaca sensibilizada</li> <li>Επικαλυμμένη μικροπλάκα</li> <li>Coated pinplate</li> <li>Pinplate sensibilizada</li> <li>Επικαλυμμένη πλάκα Pin</li> <li>Wash buffer</li> <li>Solución de lavado</li> <li>Ρυθμιστικό διάλυμα πλύσης</li> <li>Substrate buffer</li> <li>Tampón sustrato</li> <li>Ρυθμιστικό διάλυμα υποστρώματος</li> <li>Stop solution</li> <li>Solución de parada</li> </ul>
MP PINP WASHB 50x	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrator     Calibrator     Calibrator     Colibrator     Conrélation     Vviederfindung     Recuperacão     Conjugato     Conjugato     Conjugé     Konjugat     Conjugado     Microplacar revestita     Microplacar revestita     Pinplate sensibilisée     Beschichtete Mikrotiterplatte     Microplacar revestida     Pinplate revestida     Pinplate revestida     Pinplate revestida     Pinplate revestida     Tampone di lavaggio     Tampone di lavagge     Vvaschpuffer     Solucão de lavagem     Tampone substrato     Substrat     Substrat     Substrat     Substrat     Substrato     Reagente bloccante     Solution d'Arrêt     Stopreagenz	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrator</li> <li>Calibrador</li> <li>Αντιδραστήριο βαθμονόμησης</li> <li>Recovery</li> <li>Recuperado</li> <li>Ανάκτηση</li> <li>Conjugate</li> <li>Conjugate</li> <li>Conjugado</li> <li>Σύζευγμα</li> <li>Coated microtiter plate</li> <li>Microplaca sensibilizada</li> <li>Επικαλυμμένη μικροπλάκα</li> <li>Coated pinplate</li> <li>Pinplate sensibilizada</li> <li>Επικαλυμμένη πλάκα Pin</li> <li>Wash buffer</li> <li>Solución de lavado</li> <li>Ρυθμιστικό διάλυμα πλύσης</li> <li>Substrate buffer</li> <li>Tampón sustrato</li> <li>Ρυθμιστικό διάλυμα υποστρώματος</li> <li>Stop solution</li> </ul>
MP PINP WASHB 50x SUB	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrador     Recupero     Corrélation     Wiederfindung     Recuperacão     Conjugato     Conjugato     Conjugé     Konjugat     Conjugado     Microplaque sensibilisée     Beschichtete Mikrotiterplatte     Microplaca revestida     Piastra ad aghi rivestita     Pinplate sensibilisée     Beschichtete Pinplatte     Pinplate revestida     Tampone di lavaggio     Tampone di lavagge     Waschpuffer     Solucão de lavagem     Tampone substrato     Substrat     Substrat     Substrature     Substrato     Reagente bloccante     Solucio d'Arrêt     Solucão de paragem	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrador</li> <li>Αντιδραστήριο βαθμονόμησης</li> <li>Recovery</li> <li>Recuperado</li> <li>Ανάκτηση</li> <li>Conjugate</li> <li>Conjugate</li> <li>Conjugato</li> <li>Σύζευγμα</li> <li>Coated microtiter plate</li> <li>Μicroplaca sensibilizada</li> <li>Επικαλυμμένη μικροπλάκα</li> <li>Coated pinplate</li> <li>Pinplate sensibilizada</li> <li>Επικαλυμμένη πλάκα Pin</li> <li>Wash buffer</li> <li>Solución de lavado</li> <li>Ρυθμιστικό διάλυμα πλύσης</li> <li>Stop solution</li> <li>Solución de parada</li> <li>Αντιδραστήριο διακοπής αντίδρασης</li> </ul>
MP PINP WASHB 50x SUB	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrador     Recupero     Corrélation     Wiederfindung     Recuperacão     Conjugato     Conjugato     Conjugato     Conjugato     Conjugato     Microplastra rivestita     Microplaque sensibilisée     Beschichtete Mikrotiterplatte     Microplate revestida     Piastra ad aghi rivestita     Pinplate sensibilisée     Beschichtete Pinplatte     Pinplate revestida     Tampone di lavaggio     Tampone de lavage     Waschpuffer     Substrato     Tampone substrato     Solucão de lavagem     Tampone substrato     Solucion d'Arrêt     Stopreagenz     Solucão de paragem     Tampone campione	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrador</li> <li>Αντιδραστήριο βαθμονόμησης</li> <li>Recovery</li> <li>Recuperado</li> <li>Ανάκτηση</li> <li>Conjugate</li> <li>Conjugate</li> <li>Conjugado</li> <li>Σύζευγμα</li> <li>Coated microtiter plate</li> <li>Microplaca sensibilizada</li> <li>Επικαλυμμένη μικροπλάκα</li> <li>Coated pinplate</li> <li>Pinplate sensibilizada</li> <li>Επικαλυμμένη πλάκα Pin</li> <li>Wash buffer</li> <li>Solución de lavado</li> <li>Ρυθμιστικό διάλυμα πλύσης</li> <li>Substrate buffer</li> <li>Tampón sustrato</li> <li>Ρυθμιστικό διάλυμα υποστρώματος</li> <li>Stop solution</li> <li>Solución de parada</li> <li>Αντιδραστήριο διακοπής αντίδρασης</li> <li>Sample buffer</li> </ul>
MP PINP WASHB 50x SUB	Negativ Kontrolle     Controlo negativo     Calibratore     Etalon     Kalibrator     Calibrador     Recupero     Corrélation     Wiederfindung     Recuperacão     Conjugato     Conjugato     Conjugé     Konjugat     Conjugado     Microplaque sensibilisée     Beschichtete Mikrotiterplatte     Microplaca revestida     Piastra ad aghi rivestita     Pinplate sensibilisée     Beschichtete Pinplatte     Pinplate revestida     Tampone di lavaggio     Tampone di lavagge     Waschpuffer     Solucão de lavagem     Tampone substrato     Substrat     Substrat     Substrature     Substrato     Reagente bloccante     Solucio d'Arrêt     Solucão de paragem	<ul> <li>Αρνητικός ορός ελέγχου</li> <li>Calibrator</li> <li>Calibrador</li> <li>Αντιδραστήριο βαθμονόμησης</li> <li>Recovery</li> <li>Recuperado</li> <li>Ανάκτηση</li> <li>Conjugate</li> <li>Conjugate</li> <li>Conjugato</li> <li>Σύζευγμα</li> <li>Coated microtiter plate</li> <li>Μicroplaca sensibilizada</li> <li>Επικαλυμμένη μικροπλάκα</li> <li>Coated pinplate</li> <li>Pinplate sensibilizada</li> <li>Επικαλυμμένη πλάκα Pin</li> <li>Wash buffer</li> <li>Solución de lavado</li> <li>Ρυθμιστικό διάλυμα πλύσης</li> <li>Stop solution</li> <li>Solución de parada</li> <li>Αντιδραστήριο διακοπής αντίδρασης</li> </ul>