



1

DRG[®] Insulin (feline) (EIA-4919)

As of 14 Nov. 2008 (Vers. 1.0)

For Veterinary Use Only

INTENDED USE

The Feline Insulin ELISA provides a method for the direct quantitative determination of insulin levels in feline serum or plasma samples.

SUMMARY AND EXPLANATION OF THE TEST

Insulin is the principal hormone responsible for the control of glucose metabolism. It is synthesised in the ß-cells of the islets of Langerhans as the precursor, proinsulin, which is processed to form C-peptide and insulin. Both are secreted in equimolar amounts into the portal circulation. The mature insulin molecule comprises two polypeptide chains, The A chain and the B chain. The two chains are linked together by two inter-chain disulphide bridges. There is also an intra-chain disulphide bridge in the A chain.

Secretion of insulin is mainly controlled by plasma glucose concentration, and the hormone has a number of important metabolic actions. Its principal function is to control the uptake and utilisation of glucose in peripheral tissues via the glucose transporter. This and other hypoglycaemic activities, such as the inhibition of hepatic gluconeogenesis and glycogenolysis are counteracted by the hyperglycaemic hormones including glucagon, epinephrine (adrenaline), growth hormone and cortisol.

Diabetes mellitus is one of the most common endocrine disorder in cats, with a form that closely resembles human type 2 diabetes. Its incidence rate among cats appears to be increasing, probably due to an increase in obesity and a decrease in physical activation in the cat population. Obesity increases the risk for diabetes 3- to 5-fold. Diabetes occurs in a wide range of cats, but most cats are over six years of age when diagnosed. Diabetic cats may go into remission and studies have shown that different insulin therapy treatments may have an influence on this.

PRINCIPLE OF THE PROCEDURE

The Feline Insulin ELISA is a solid phase two-site enzyme immunoassay. It is based on the direct sandwich technique in which two monoclonal antibodies are directed against separate antigenic determinants on the insulin molecule. During incubation, insulin in the sample reacts with peroxidase-conjugated anti-insulin antibodies and anti-insulin antibodies bound to the microtitration well. After a simple washing step that removes unbound enzyme labelled antibody, the bound conjugate is detected by reaction with 3,3'-5,5'-tetramethylbenzidine (TMB). The reaction is stopped by the addition of acid, giving a colorimetric endpoint that can be read spectrophotometrically.

WARNINGS AND PRECAUTIONS

- The content of this kit and their residues must not be allowed to come into contact with ruminating animal or swine.
- The Stop Solution in this kit contains 0.5 M H₂SO₄. Follow routine precautions for handling hazardous chemicals.
- All patient samples should be handled as capable of transmitting infections.





As of 14 Nov. 2008 (Vers. 1.0)

For Veterinary Use Only

MATERIAL REQUIRED BUT NOT PROVIDED

- Pipettes for 10, 50, 100, 200 and 1000 μl (repeat pipettes preferred for addition of enzyme conjugate solution, Substrate TMB and Stop Solution)
- Beakers and cylinders for reagent preparation
- Redistilled water
- Microplate reader (450 nm filter)
- Plate shaker (The recommended velocity is 700-900 cycles per minute, orbital movement)
- Microplate washing device

REAGENTS

Each Feline Insulin ELISA kit contains reagents for 96 wells, sufficient for 42 samples and one standard curve in duplicate. For larger series of assays, use pooled reagents from packa¬ges bearing identical lot numbers. The expiry date for the complete kit is stated on the outer label. The recommended storage temperature is 2-8°C.

Coated Plate (Mouse monoclonal anti-insulin) For unused microtitration strips, reseal the bag using adhesive tape and store at 2-8°C for 2 months.	1 plate 8-well strips	96 wells	Ready for use
Standards 1, 2, 3, 4, 5 (Human insulin) Concentration indicated on vial label. Color coded yellow	5 vials	1000 µl	Ready for Use
Standard 0 Color coded yellow	1 vial	5 ml	Ready for use
Enzyme Conjugate 11X (Peroxidase conjugated mouse monoclonal anti-insulin)	1 vial	2.5 ml	Preparation, see below
Enzyme Conjugate Buffer Color coded blue	1 vial	25 ml	Ready for use
Wash Buffer 21X Storage after dilution: 2-8°C for 2 months	1 bottle	40 ml	Dilute with 800 ml redistilled water to make wash buffer.
Substrate TMB (TMB) Colorless solution Note! Light sensitive!	1 bottle	22 ml	Ready for use
Stop Solution0.5 M H2SO4	1 vial	7 ml	Ready for use





As of 14 Nov. 2008 (Vers. 1.0)

For Veterinary Use Only

1.1 Preparation of enzyme conjugate solution

Prepare the needed volume of enzyme conjugate solution by dilution of Enzyme Conjugate 11X, (1+10) in Enzyme Conjugate Buffer or according to the table below. Mix gently.

When preparing enzyme conjugate solution for the whole plate or if the reagents are to be used within two weeks, pour all of the Enzyme Conjugate Buffer into the Enzyme Conjugate 11X vial.

Number of strips	Enzyme Conjugate 11X	EnzymeConjugate Buffer
12 strips	1 vial	1 vial
8 strips	1400 µl	14 ml
6 strips	1000 µl	10 ml
4 strips	800 µl	8 ml

Storage after dilution: 2-8°C for two weeks.

SPECIMEN COLLECTION AND HANDLING

Serum

Collect blood by venipuncture, allow to clot and separate the serum by centrifugation. Samples can be stored at 2-8°C up to 24 hours. For longer periods, store samples at -20°C. Avoid repeated freezing and thawing.

Plasma

Collect blood by venipuncture into tubes containing heparin, citrate or EDTA as anticoagulant, and separate the plasma fraction. Samples can be stored at 2-8°C up to 24 hours. For longer periods store samples at -20°C. Avoid repeated freezing and thawing.

1.2 PREPARATION OF SAMPLES

Samples containing >700 ng/l should be diluted at least 1/10 v/v with Standard 0. *Note!* Buffers containing sodium azide (NaN₃) can not be used for sample dilution.

TEST PROCEDURE

All reagents and samples must be brought to room temperature before use. Perform each determination in duplicate for standards and unknowns. Prepare a standard curve for each assay run.

- 1. Prepare enzyme conjugate solution (according to the table on previous page) and wash buffer.
- 2. Prepare sufficient microplate wells to accommodate Standards and samples in duplicate.
- 3. Pipette 10 µl each of Standards and samples into appropriate wells.
- 4. Add 200 µl of enzyme conjugate solution into each well.

DRG International Inc., USA

Fax: (908) 233-0758 • E-mail: corp@drg-international.com • Web: www.drg-international.com





As of 14 Nov. 2008 (Vers. 1.0)

For Veterinary Use Only

- 5. Incubate on a plate shaker (700-900 rpm) for 2 hours at room temperature (18-25°C).
- 6. Wash plate 6 times with 700 μl wash buffer per well with an automatic washer. * After final wash, invert and tap the plate firmly against absorbent paper.
- 7. Add 200 µl Substrate TMB into each well.
- 8. Incubate for 30 minutes at room temperature (18-25°C).
- Add 50 μl Stop Solution to each well.
 Place the plate on the shaker for approximately 5 seconds to ensure mixing.
- 10. Read optical density at 450 nm and calculate results. Read within 30 minutes.

* The plate can be washed with an automatic washer or manually. When washing with an automatic washer please use the overflow function. If there is no overflow function available on the automatic washer please wash manually.

Manual wash can be done either with a pipette or a squirt bottle:

Aspirate the reaction volume and add 400 μ l wash buffer to each well with a pipette or fill the wells completely by spraying wash buffer into the wells with a squirt bottle. Aspirate completely and repeat 5 times. The overflow is not a problem rather an advantage.

Note! To prevent contamination between the conjugate and substrate, separate pipettes are recommended.

INTERNAL QUALITY CONTROL

Commercial controls and/or internal serum pools with low, intermediate and high feline insulin concentrations should routinely be assayed as unknowns, and results charted from day to day. It is good laboratory practice to record the following data for each assay: kit lot number; reconstitution dates of kit components; OD values for the blank, Standards and Controls.

CALCULATION OF RESULTS

Computerized calculation

The concentration of feline insulin is obtained by computerized data reduction of the absorbance for the Standards, except Standard 0, versus the concentration using cubic spline regression.

Manual calculation

- 1. Plot the absorbance values obtained for the Standards, except Standard 0, against the feline Insulin concentration on a lin-lin paper and construct a standard curve.
- 2. Read the concentration of the unknown samples from the standard curve.





As of 14 Nov. 2008 (Vers. 1.0)

For Veterinary Use Only

Example of results

Wells	Identity	A450	Mean conc. ng/l
1A-B	Standard 0	0.092/0.081	
1C-D	Standard 1 (5 ng/ll)*	0.107/0.099	
1 E-F	Standard 2 (35 ng/l)*	0.169/0.175	
1G-H	Standard 3 (100 ng/l)*	0.378/0.405	
2A-B	Standard 4 (350 ng/ll)*	1.092/1.030	
2C-D	Standard 5 (700 ng/l)*	2.149/2.073	
2E-F	Unknown 1	0.156/0.154	29.3
2G-H	Unknown 2	0.340/0.349	88.0
3А-В	Unknown 3	0.716/0.731	221.9

*Exact concentration indicated on vial label.

Conversion factor

 $1000 \text{ ng/l} = 1 \mu \text{g/l} = 29 \text{mU/l}; 1 \text{ mU/l} = 6.0 \text{ pmol/l}$

LIMITATIONS OF THE PROCEDURE

As with all diagnostic tests, a definitive diagnosis should not be based on the results of a single test, but should be made by the physician after all clinical findings have been evaluated. Grossly lipemic, icteric or haemolyzed samples do not interfere in the assay.

EXPECTED VALUES

Good practice dictates that each laboratory establishes its own expected range of values.

PERFORMANCE CHARACTERISTICS

1.3 Detection limit

Detection limit is defined as the Capability of Detection according to ISO11843-Part 1. Capability of Detection should be seen as part of a method validation, rather than the lowest concentration that can be measured.

The detection limit is 5 (ng/l) as determined with the methodology described in ISO11843-Part 4.

Concentration of samples with absorbance below Standard 1 should not be calculated, instead expressed as less or equal to ()) the concentration indicated on the vial for Standard 1.

1.4 Recovery

Recovery upon addition is 93-122% (mean 107%) Recovery upon dilution is 79-113% (mean 95%)

DRG International Inc., USA

Fax: (908) 233-0758 • E-mail: corp@drg-international.com • Web: www.drg-international.com





As of 14 Nov. 2008 (Vers. 1.0)

For Veterinary Use Only

1.5 Hook effect

Samples with a concentration of up to 27 600 µg/l can be measured without giving falsely low results.

1.6 Precision

Each sample was analyzed in 2 replicates on 14 different occasions.

		Coefficient of variation			
Sample	Mean value (ng/l)	within assay %	between assay %	total assay %	
1	27.90	4.0	8.8	9.2	
2	89.03	4.7	6.0	6.8	
3	214.93	3.0	6.3	6.6	

1.7 Specificity

The following cross-reactions have been found:

NovoRapid® (Insulin aspart)	5.9 %
Levemir® (Insulin detemir)	< 0.008 %
Lantus® (Insulin glargin)	8.4 %
Humalog® (Insulin lispro)	< 0.0000002 %
Apidra® (Insulin glulisine)	< 0.0000007 %
Vetsulin®, Caninsulin®	57.4 %

CALIBRATION

The Feline Insulin ELISA is calibrated against 1st International Reference Preparation 66/304.

WARRANTY

The performance data presented here was obtained using the procedure indicated. Any change or modification in the procedure not recommended by DRG may affect the results, in which event DRG disclaims all warranties expressed, implied or statutory, including the implied warranty of merchantability and fitness for use. DRG and its authorized distributors, in such event, shall not be liable for damages indirect of consequential.

REFERENCES

- 1. Hoenig M (2002) Comparative aspects of diabetes mellitus in dogs and cats. Mol Cell Endocrin 197:221-229
- Michiels L, Reusch CE, Boari A, Petrie G, Mandigers P, Thollot IG, Rosenberg D, Mooney C, Bonfanti U, Font A, Sparkes A, Bewig K, Clercx C, Jensen AL, Horspool LJI (2008) Treatment with 46 cats with porcine lente insulin – a prospective, multicentre study. J Fel Med Sur In press
- 3. Rand JS, Fleeman LM, Farrow HE, Appleton DJ, Lederer R (2004) Canine and Feline Diabetes Mellitus: Nature or Nurture? J Nutr 134:2072S-2080S

DRG International Inc., USA

Fax: (908) 233-0758 • E-mail: corp@drg-international.com • Web: www.drg-international.com





As of 14 Nov. 2008 (Vers. 1.0)

For Veterinary Use Only

SYMBOLS USED WITH DRG ASSAYS

Image: series of the set of	Symbol	English	Deutsch	Français	Español	Italiano
C.C.Pitropean Contorning tennezichnungeuropeanesContornita curopeaContornita curopeaIVDIn vitro diagnostic deviceIn-vitro-DiagnosticaNar nuc terschangszweckeSolo para usoPer uso Diagnostica in vitroREGCatalogue numberKatalog-Nr.Numéro de catalogueNúmero de catálogoNumero di CatalogoILOTLot. No. / Batch codeChargen-Nr.Numéro de loteNumero de loteNumero di loto $\overline{\nabla}$ Contains sufficient for solasze a serviceAusreichend fir "n" " "n" testsContento sufficient per "n" assigniContento sufficient per "n" assigniContento sufficient per "n" assigni $\overline{\nabla}$ Contains sufficient for solasze testsAusreichend fir "n" " "n" testsContento sufficient per "n" assigniContento sufficient per "n" assigni $\overline{\nabla}$ Storage TemperatureLagerung-temperaturTemperature de conservaciónContento sufficient per "n" assigniData di scadenza $\overline{\Delta}$ Legal ManufacturerHerstellerFabricantFabricantFabricanteDistributorDistributorVertivelberDistributeurContentioContentoOutme /No.Volume /No.Volume/AnzahVolume/QuantitéContentioContentioOutme /No.Volume /No.Volume/AnzahStoragen testsEuropeisk overenstammelseEyzquóño zo/jerny $\overline{\Box}$ ContentIndattContentioContentioVolume/AnzahVolume /No.Volume /No.Volume/No.Volume/AnzahEyzquóño zo/j	(11)					
Iv UDin vitrovitrovitrovitrovitrovitroRECOFor research use onlyNor Tur PorschungszweckeSelenchesSolo par uso en Solo par uso en Newero di CatalogoNumero di CatalogoNumero di CatalogoILOTLot. No. / Batch codeChargen Nr.Numéro de lotNúmero de loteNumero di Catalogo $\overline{\nabla}$ Contains sufficient for $>AssaizeContento suffision por>Contento sufficient par>Contento sufficient par>Solo a scopo di riercaRoservaciónDento sufficient par>Contento sufficient par>Dento$	CE	European Conformity			Conformidad europea	Conformità europea
InterfacionForschungszweckede recherchesinvestigaciónNoto a Secho di necreaImmerioCatalogue numberKatalog-Nr.Numéro de catalogueNumero de loteNumero di lotalogoImmerioLot. No / Batch codeChargen-Nr.Numéro de lotNumero de loteNumero di lotalogoImmerioContains sufficient for ansaizeAnsaizeContenu suffisant pour sufficient per n° testsContenu sufficient per 	IVD	In vitro diagnostic device	In-vitro-Diagnostikum			e e
IonLot. No. / Batch codeChargen-Nr.Numéro de lotNúmero de loteNuméro di lotto▼Contains sufficient for <a> tests/Ausreichend für "n"Contenu suffisiant pour sn' testsContenido sufficient para sn' saggiContenuido sufficient para sn' saggiContenuido sufficient para sn' saggi✓Storage TemperatureLagerungstemperatur datumTempératura de conservationTemperatura de conservationContenuido sufficient para sn' saggi✓Expiration DateMindesthaltbarkeits- datumDate limite d'utilisationFecha de caducidadData di scadenza✓Legal ManufacturerHerstellerFabricantFabricanteFabricanteDistributorDistributorVertreiberDistributeurDistributorContentoruoVolume/No.Volume / No.Volumen/AnzahlVolume/QuantitàVolume/Quantità✓Consenida si instruções de utilizaçãoSe brugsanvisningSe bruksanvisningenErzepeisk everensstammelseEuopoziki porjorm✓Diagnóstico in vitroIn vitro diagnostikDiagnostik in vitroin vitro diagnosticSinderusCatalogo n."KatalognummerKatalog nummerAprilydiç korado/youIndeholder tilstrakkeligi ifi "n" testInnehâller tiliräckigi tili in vitro diagnofica aré strafers;Gorpapaçará aré strafers;ContenidoGortanide conse;Gortanide conse;Gortanide conse;Indeholder tilstrakkeligi ifi "n" test<	RUO	For research use only				Solo a scopo di ricerca
Image: contains sufficient for \$	REF	Catalogue number	Katalog-Nr.	Numéro de catalogue	Número de catálogo	Numero di Catalogo
$\sqrt{10}$ $\sim \sim > \operatorname{enss}/2$ Ansatze"" "etss $\sim \sim > \operatorname{enss}/200$ "" "aggi $\sqrt{10}$ Storage TemperaturLagerungstemperaturTempérature de conservaciónTemperatura de conservaci	LOT	Lot. No. / Batch code	Chargen-Nr.	Numéro de lot	Número de lote	Numero di lotto
Align Storage LemperatureLagerungsemperature conservationconservationconservationconservationImage Legal ManufacturerMindesthaltbarkeits- datumDate limite d'utilisationFecha de caducidadData di seadenzaImage Legal ManufacturerHerstellerFabricantFabricanteFabricanteFabricanteDistributed byDistributorVertreiberDistributeurDistributedorOntenutoContentContentInhaltConditionnementContenidoContenutoVolume/No.Volume/AnzahlVolume/QuantitéVolume/NumeroVolume/QuantitáSymbolPortuguesDasskSvenskaEDAytuxáImage Consult as instruções de utilizaçãoSe brugsanvisningSe brugsanvisningenEyrzeptöto zpripernImage Consult as instruções de utilizaçãoEuropaeisk overensstemmelseEuropeisk overensstammelseEoporatixfi 20µµópopoorImage Consult as instruções de utilizaçãoLeu nummerKatalog nummerApt8µó¢ KoraAóryooImage Consult as instruções de utilitar testLeu nummerKatalog nummerApt8µó¢ KoraAóryooImage Consult as instruções de utilitar testInnehâlter tiltrackligt ill na testerInpergóµavo araysé; yaImage Consult as instruções de utilitar testOpbevarings-temperaturKatalog nummerApt8µó¢ KoraAóryooImage Consult as instruçõesOpbevarings-temperaturForvaringstempraturGepuoxpardia araothkeoon;Image Consult as instruçõesOpbevarings-temperaturForvaringstempraturGe	Σ					
ΔExpiration DatedatumDate imite d'utilisationFedra de caudeidadData di seadenzaMailLegal ManufacturerHerstellerFabricantFabricanteFabricanteFabricanteDistributod byDistributorVertreiberDistributeurDistributorOntenutoContentContentInhaltConditionnementContenidoContenutoVolume/No.Volume/No.Volume/AnzahlVolume/QuantitéVolumen/NúmeroVolume/QuantitàSymbolPortuguesDanskSvenskaE2ληνικάVolume/QuantitàIIIConsulte as instruções de utilizaçãoSe brugsanvisningSe brugsanvisningenEygaptiõo χρήστηIIIODiagnóstico in vitroIn vitro diagnostikDiagnostik in vitroin vitro δiagnvoornukóIIIODiagnóstico in vitroIn vitro diagnostikDiagnostik in vitroin vitro δiagnvoornukóIIIOCatálogo n.ºKatalognummerKatalog nummerΑριθμός καταλόγουIIIONo do loteLot nummerBatch-nummerΑριθμός ματαλόγουIIIONo do loteLot nummerBatch-nummerΘρερμοφασία από/fikzorngIIIOPrazo de validadeUdløbsatoBast före datumβμερομηνία λήξηςIIIOPrazo de validadeUdløbsatoBast före datumβμερομηνία λήξηςIIIOPrazo de validadeIncheilTillverkareKατασκευασήςIIIOConteutoOpbevarings-temperaturδroraringstempraturΘρερμοφασία από/fikzorngIIII <td< td=""><th></th><td>Storage Temperature</td><td>Lagerungstemperatur</td><td></td><td></td><td></td></td<>		Storage Temperature	Lagerungstemperatur			
Distributed byDistributorVertreiberDistributeurDistributourDistributoreContentContentInhaltConditionnementContenidoContenutoVolume/No.Volume/No.Volume/AnzahlVolume/QuantitéVolume/NúmeroVolume/QuantitàSymbolPortuguesDanskSvenskaEiJaŋvisáCiliConsulte as instruções de ulizaçãoSe brugsanvisningSe bruksanvisningenErgzupiõto gripornCiliConformidade com as norma europeiasEuropaeisk overensstemmelseEuropaeisk overensstämmelseEupomatki 20µµópopomIVDDiagnóstico in vitroIn vitro diagnostikDiagnostik in vitroin vitro διαγνοστικόREFCatálogo n.ºKatalognummerKatalog nummerΑριθμός καταλόγουIOTNo do loteLot nummerBatch-nummerΑριθμός ΠαρτίδοςIndeholder tilstrækkeligt uli "n" test"n" testerΘεορυρασία απο έχετάσκαςIConservaçãoOpbevarings-temperaturForvaringstempraturΘερυροχασία αποθήκευσηςIPrazo de validadeUdløbsdatoBast före datumΗμερομηνία λήξηςDistributed byIndeholdInhehâllTillverkareΚατασκευσσήςContentConteúdoIndholdInhehâllΠεριεχόμενο	Σ	Expiration Date		Date limite d'utilisation	Fecha de caducidad	Data di scadenza
ContentContentInhaltConditionnementContenidoContenutoVolume/No.Volume / No.Volumen/AnzahlVolume/QuantitéVolumen/NúmeroVolume/QuantitàSymbolPortuguesDanskSvenskaEL'AqvicáCintilizaçãoConstruiçãoSe brugsanvisningSe brussanvisningenEryzepiðiso zpňornCintilizaçãoConformidade com as normas europeiasEuropeisk overensstemmelseEuropeisk overensstämmelseEupoaratich ΣυμμόρφοσηIVDDiagnóstico in vitroIn vitro diagnostikDiagnostik in vitroin vitro διαγνόστικόREEFCatálogo n.ºKatalognummerKatalog nummerΑριθμός ΙΠαρτίδοςIVDNo do loteLot nummerBatch-nummerΑριθμός ΠαρτίδοςIVITemperatura de conservaçãoOpbevarings-temperaturForvaringstempraturΘορμογρασηί αποθήκευσηςIVIFabricantePrazo de validadeUdløbsdatoBast före datumΗμερομηνία λήξηςDistributed byConteúdoIndholdTillverkareΚατασκευαστήςContentConteúdoIndholdInhehålltΠεριεχόμενο		Legal Manufacturer	Hersteller	Fabricant	Fabricante	Fabbricante
Volume/No.Volume/No.Volume/AnzahlVolume/QuantitéVolumen/NúmeroVolume/QuantitàSymbolPortuguesDanskSvenskaE¿λληνκάConsulte as instruções du tilizaçãoSe brugsanvisningSe bruksanvisningenEyzetplöto zpńornCCConformidade com as normas europeiasEuropacisk overensstammelseEuropeisk överensstammelseEυροπαταίή ΣυμμόρφοσηIVDDiagnóstico in vitroIn vitro diagnostikDiagnostik in vitroin vitro διαγνωστικόIVDDiagnóstico in vitroIn vitro diagnostikDiagnostik in vitroin vitro διαγνωστικόICOLatálogo n.ºKatalognummerKatalog nummerΑριθμός καταλόγουICOTNo do loteLot nummerBatch-nummerΑριθμός ΓαρτίδοςIVDTemperatura de conservaçãoOpbevarings-temperaturFörvaringstempraturΘερμοκρασία αποθήκευσηςICOTPrazo de validadeUdløbsdatoBäst före datumΗμερομηνία λήξηςInstributed byIndeholdIndeholdTillverkareΚατασκευστήςConteitoOnteidoIndeholdIndehâlleIndehâlle	Distributed by	Distributor	Vertreiber	Distributeur	Distribuidor	Distributore
SymbolPortuguesDanskSvenskaΕλληνικάImage: SymbolConsulte as instruções de utilizaçãoSe brugsanvisningSe bruksanvisningenΕγχειρίδιο χρήστηImage: Se conformidade com as normas europeiasEuropaeisk overensstammelseEuropeisk overensstammelseΕυρωπαϊκή ΣυμμόρφωσηImage: Se conformidade com as normas europeiasEuropaeisk overensstammelseEuropeisk overensstammelseΕυρωπαϊκή ΣυμμόρφωσηImage: Se conformidade com as normas europeiasIn vitro diagnostikDiagnostik in vitroin vitro διαγνωστικόImage: Se conformidade com as normas europeiasImage: Se conformidade com as normas europeiasImage: Se conformidade com as normas europeisk overensstammelseEuropeisk overensstammelseImage: Se conformidade com as normas europeiasImage: Se conformidade com as normas europeiasEuropeisk overensstammelseEuropeisk overensstammelseImage: Se conformidade com as normas europeiasImage: Se conformidade com as normas europeiasEuropeisk overensstammelseEuropeisk overensstammelseImage: Se conformidade com as normas europeiasImage: Se conformidade com as normas europeiasImage: Se conformidade com as normas europeiasImage: Se conformidade com as normas europeiasKatalognummerKatalog nummerApiθμώς καταλόγουImage: Se conformidade com as normas europeiasImage: Se conformidade com as normas europeiasImage: Se conformidade conformida europeiasImage: Se conformidade com as normas europeiasImage: Se conformidade conformidade europeiasImage: Se conformidade europeiasImage: Se conformidade conformidade europeiasImage: Se	Content	Content	Inhalt	Conditionnement	Contenido	Contenuto
Image: consult as instruções de utilizaçãoSe brugsanvisningSe bruksanvisningenΕγχειρίδιο χρήστηImage: conservaçãoEuropacisk overensstëmmelseEuropeisk överensstëmmelseEuropacisk överensstëmmelseEuropacisk powerImage: conservaçãoDiagnóstico in vitroIn vitro diagnostikDiagnostik in vitroin vitro διαγνωστικόImage: conservaçãoCatálogo n.ºKatalognummerKatalog nummerAptθμός καταλόγουImage: conservaçãoLot nummerBatch-nummerAptθμός ΓιαρτίδοςImage: conservaçãoCopbevarings-temperaturFörvaringstempraturΘεριμοκρασία αποθήκευσηςImage: conservaçãoOpbevarings-temperaturFörvaringstempraturΘεριμοκρασία αποθήκευσηςImage: conservaçãoOpbevarings-temperaturFörvaringstempraturΘεριμοκρασία αποθήκευσηςImage: conservaçãoUdløbsdatoBast före datumΗμερομηνία λήξηςImage: conservaçãoIndeholderTillverkareΚατασκευαστήςImage: conservaçãoImage: conservação <th>Volume/No.</th> <td>Volume / No.</td> <td>Volumen/Anzahl</td> <td>Volume/Quantité</td> <td>Volumen/Número</td> <td>Volume/Quantità</td>	Volume/No.	Volume / No.	Volumen/Anzahl	Volume/Quantité	Volumen/Número	Volume/Quantità
LIutilizaçãoSe brugsanvisningSe brugsanvisningSe brugsanvisningErygeipiolo χρήστηCeConformidade com as normas europeiasEuropaeisk overensstemmelseEuropeisk överensstämmelseEuropaisk överensstämmelseEuropaisk överensstämmelseIVDDiagnóstico in vitroIn vitro diagnostikDiagnostik in vitroin vitro διαγνωστικόRUOInCatálogo n.ºKatalognummerKatalog nummerΑριθμός καταλόγουLOTNo do loteLot nummerBatch-nummerΑριθμός καταλόγουIVDIndeholder tilsttrækkeligt til ''n'' testInnehåller tillräckligt till "n'' testerΠεριεχόμενο επαρκές για ασθήκευσηςVPrazo de validadeUdløbsdatoBäst före datumΗμερομηνία λήξηςDistributed byFabricanteProducentTillverkareΚατασκευαστήςOtnettIndeholdIndeholdInnehållΠεριεχόμενο	Symbol	Portugues	Dansk	Svenska	Ελληνικά	
C Cnormas europeiasoverensstemmelseöverensstämmelseEuρomatika 2uμμορφωσηIVDDiagnóstico in vitroIn vitro diagnostikDiagnostik in vitroin vitro διαγνωστικόRUOIIIIIREFCatálogo n.ºKatalognummerKatalog nummerΑριθμός καταλόγουLOTNo do loteLot nummerBatch-nummerΑριθμός ΠαρτίδοςVIndeholder tilstrækkeligt til 'n'' testInnehåller tillräckligt till "n' testerΠεριεχόμενο επαρκές για αποθήκευσηςVPrazo de validadeOpbevarings-temperatur UdløbsdatoFörvaringstempratur Bäst före datumΘερμοκρασία αποθήκευσηςDistributed byFabricanteProducentTillverkareΚατασκευαστήςOntentConteúdoIndeholdInnehållInnehållΠεριεχόμενο	- ` - ` -	· ·	Se brugsanvisning	Se bruksanvisningen	Εγχειρίδιο χρήστη	
RUOImage: A state of the state	CE				Ευρωπαϊκή Συμμόρφωση	
REFCatálogo n.ºKatalognummerKatalog nummerΑριθμός καταλόγουLOTNo do loteLot nummerBatch-nummerΑριθμός ΠαρτίδοςVIndeholder tilstrækkeligt til 'n' testInnehåller tillräckligt till 'n' testerΠεριεχόμενο επαρκές για «n» εξετάσειςVTemperatura de conservaçãoOpbevarings-temperatur UdløbsdatoFörvaringstempraturΘερμοκρασία αποθήκευσηςMPrazo de validadeUdløbsdatoBäst före datumΗμερομηνία λήξηςDistributed byFabricanteProducentTillverkareΚατασκευαστήςOntentConteúdoIndeholdInnehållΠεριεχόμενο	IVD	Diagnóstico in vitro	In vitro diagnostik	Diagnostik in vitro	in vitro διαγνω στ ικό	
LOTNo do loteLot nummerBatch-nummerΑριθμός Παρτίδος <th>RUO</th> <td></td> <td></td> <td></td> <td></td> <td></td>	RUO					
Image: Contended of the second of the sec	REF	Catálogo n.º	Katalognummer	Katalog nummer	Αριθμός καταλόγου	
Vtil "n" test"n" tester«π» εξετάσειςTemperatura de conservaçãoOpbevarings-temperaturFörvaringstempraturΘερμοκρασία αποθήκευσηςPrazo de validadeUdløbsdatoBãst före datumΗμερομηνία λήξηςFabricanteProducentTillverkareΚατασκευαστήςDistributed by </td <th>LOT</th> <td>No do lote</td> <td>Lot nummer</td> <td>Batch-nummer</td> <td>Αριθμός Παρτίδος</td> <td></td>	LOT	No do lote	Lot nummer	Batch-nummer	Αριθμός Παρτίδος	
Image: conservaçãoOpbevarings-temperaturForvaringstempraturαποθήκευσηςImage: conservaçãoValabsatoBãst före datumΗμερομηνία λήξηςImage: conservaçãoPrazo de validadeValabsatoBãst före datumΗμερομηνία λήξηςImage: conservaçãoProducentTillverkareΚατασκευαστήςDistributed byImage: conservaçãoIndholdInnehållΠεριεχόμενο	Σ					
Image: Content of the second of the secon	1		Opbevarings-temperatur	Förvaringstempratur		
Distributed by Conteúdo Indhold Innehåll Περιεχόμενο	Σ	Prazo de validade	Udløbsdato	Bäst före datum	Ημερομηνία λήξης	
Content Conteúdo Indhold Innehåll Περιεχόμενο	AAA	Fabricante	Producent	Tillverkare	Κατασκευαστής	
	Distributed by					
Volume/No. Volume/Número Volumen/antal Volym/antal Όγκος/αριθ	Content	Conteúdo	Indhold	Innehåll	Περιεχόμενο	