



RIA Progesterone

Instruction for use in local language is available at beckmancoulter.com/techdocs.

REVISION HISTORY

Previous version: IFU-IM1188-02	Current version: IFU-IM1188-03
Standard curve (Example of standard curve, do not use for calculation)	(Example of standard curve, do not use for calculation. Use the concentration of calibrators indicated on each vial label. The concentrations are lot specific, check carefully.)
—	Adding Ukrainian to the IFU.

REF IM1188

FOR PROFESSIONAL USE ONLY

INTENDED PURPOSE

RIA Progesterone is an in vitro diagnostic manual medical device intended to be used by healthcare professionals for the quantitative measurement of progesterone in human serum and plasma. Measurement of progesterone is intended to be used for the assessment of fertility status. It is used to monitor ovulation status and the formation of a functional corpus luteum in females [1, 2, 3].

PRINCIPLE

The radioimmunoassay of progesterone is a competition assay. Samples and calibrators are incubated with ¹²⁵I-labeled progesterone, as tracer, in monoclonal antibody-coated tubes. After incubation the contents of tubes are aspirated so as to remove unbound ¹²⁵I-labeled tracer. The bound radioactivity is then determined in a gamma counter. The progesterone concentrations in the samples are obtained by interpolation from the standard curve. The concentration of progesterone in the samples is indirectly proportional to the radioactivity.

WARNING AND PRECAUTIONS

General remarks:

- The vials with calibrators and controls should be opened as shortly as possible to avoid excessive evaporation.
- Do not mix the reagents from kits of different lots.
- A standard curve must be established with each assay.
- It is recommended to perform the assay in duplicate.
- Each tube must be used only once.

Basic rules of radiation safety

The purchase, possession, utilization, and transfer of radioactive material are subject to the regulations of the country of use. Adherence to the basic rules of radiation safety should provide adequate protection:

- No eating, drinking, smoking or application of cosmetics should be carried out in the presence of radioactive materials.
- No pipetting of radioactive solutions by mouth.
- · Avoid all contact with radioactive materials by using gloves and laboratory overalls.
- All manipulation of radioactive substances should be done in an appropriate place, distant from corridors and other busy places.
- · Radioactive materials should be stored in the container provided in a designated area.
- A record of receipt and storage of all radioactive products should be kept up to date.
- Laboratory equipment and glassware which are subject to contamination should be segregated to prevent cross-contamination of different radioisotopes.
- · Each case of radioactive contamination or loss of radioactive material should be resolved according to established procedures.
- Radioactive waste should be handled according to the rules established in the country of use.

Sodium azide

Some reagents contain sodium azide as a preservative. Sodium azide can react with lead, copper or brass to form explosive metal azides. Sodium azide disposal must be in accordance with appropriate local regulations.

Materials of human origin

The materials of human origin, contained in this kit, were found negative for the presence of antibodies to HIV 1 and HIV 2, antibodies to HCV, as well as of Hepatitis B surface antigen (HBsAg). However, they should be handled as if capable of transmitting disease. No known test method can offer total assurance that no virus is present. Handle this kit with all necessary precautions.

All patient specimens should be handled as potentially infectious and waste should be discarded according to the country rules.

GHS HAZARD CLASSIFICATION

Not classified as hazardous

SDS

Safety Data Sheet is available at beckmancoulter.com/techdocs

SPECIMEN COLLECTION, PROCESSING, STORAGE AND DILUTION

- Serum or EDTA plasma are the recommended sample types.
- Allow serum samples to clot completely before centrifugation.
- Serum and plasma samples may be stored at 2-8°C, if the assay is to be performed within 24 hours. For longer storage keep frozen (< -20°C, for up to 1 year) after aliquoting so as to avoid repeated freezing and thawing. Thawing of sample should be performed at room temperature.
- If samples have concentrations greater than the highest calibrator, they must be diluted into a serum with a low concentration of progesterone (e.g. male serum with concentration ≤ 0.1 ng/mL).

Serum and EDTA plasma values for 30 samples (serum values ranging from 0.09 to 3.93 ng/mL) were compared using the IM1188 RIA Progesterone. Results are as follows:

[EDTA-plasma] = 0.8823[serum] + 0.0379

R = 0.9973

MATERIALS PROVIDED

All reagents of the kit are stable until the expiry date indicated on the kit label, if stored at 2-8°C. Expiry dates printed on vial labels apply to the long-term storage of components by the manufacturer only, prior to assembly of the kit. Do not take into account.

Tubes: 2 x 50 (ready-to-use)

¹²⁵I-Tracer: one 55 mL vial (ready-to-use)

The vial contains 200 kBq, at the date of manufacture, of ¹²⁵I-labeled progesterone in buffer with proteins and sodium azide (<0.1%).

Note: Occasional presence of clotted particles in the tracer does not affect assay performance.

Calibrators: six 0.5 mL vials (ready-to-use)

The calibrator vials contain from 0 to approximately 50 ng/mL of progesterone in human serum with sodium azide (<0.1%). The exact concentration is indicated on each vial label. The calibrators are traceable to the reference preparation ERM®-DA347.

Control samples: two 0.5 mL vials (ready-to-use)

The vials contain progesterone in human serum with sodium azide (<0.1%). The concentration range is indicated on a supplement. The control samples are traceable to the reference preparation ERM[®]-DA347.

MATERIALS REQUIRED, BUT NOT PROVIDED

In addition to standard laboratory equipment, the following items are required:

- Precision micropipette (50 μL).
- Semi-automatic pipette (500 µL).
- Vortex type mixer.
- Horizontal or orbital shaker.
- Aspiration system.
- Gamma counter set for ¹²⁵I.

PROCEDURE

Preparation of reagents

Let all the reagents come to room temperature.

Assay procedure

Step 1	Step 2	Step 3
Additions	Incubation	Counting
To coated tubes add successively:	Incubate 1 hour at 18-25°C with shaking (≥ 280 rpm).	Aspirate carefully the contents of tubes (except the 2 tubes «total cpm»).
50 μL of calibrator, control or sample and 500 μL of tracer.		Count bound cpm (B) and total cpm
Vortex gently 1-2 seconds.		(T) for 1 minute.

* Add 500 µL of tracer to 2 additional tubes to obtain total cpm.

RESULTS

Results are obtained from the calibrator curve by interpolation. The curve serves for the determination of analyte concentrations in samples measured at the same time as the calibrators.

Standard curve

The results in the quality control department were calculated using *spline* curve fit with logit of B/T or B/B_0 on the vertical axis and log of analyte concentration of the calibrators on the horizontal axis.

Other calculation methods may give slightly different results.

	Total	activity: 73,748 cpm		
Calibrators	Progesterone (ng/mL)	cpm (n=3)	B/T (%)	B/B ₀ (%)
0	0	27,619	37.5	100.0
1	0.09	22,020	29.9	79.7
2	0.43	17,861	24.2	64.7
3	2.00	9,958	13.5	36.1
4	12.5	4,279	5.80	15.5
5	65.0	1,676	2.27	6.07

(Example of standard curve, do not use for calculation. Use the concentration of calibrators indicated on each vial label. The concentrations are lot specific, check carefully.)

Samples

For each sample, locate ratio B/T or B/B_0 on the vertical axis and read off the corresponding analyte concentration on the horizontal axis. To convert ng/mL into nmol/L (nM), multiply results by 3.18.

EXPECTED VALUES

We recommend each laboratory to establish its own reference values. The following values obtained from healthy subjects are indicative only.

Group	N	Min.	Max.	Median	2.5 th percentile	97.5 th percentile
				ng/mL		
Males (20 to 67 years)	98	0.07	0.86	0.32	0.11	0.77
Females						
Follicular phase	339	<0.03	1.63	0.31	0.04	0.93
Preovulatory peak	69	0.06	1.79	0.76	0.26	1.37
Luteal phase	306	0.50	32.2	6.79	0.94	22.5
Postmenopausal	48	0.08	0.62	0.22	0.09	0.59

(For more details, see APPENDIX)

QUALITY CONTROL

Good laboratory practices imply that control samples be used regularly to ensure the quality of the results obtained. These samples must be processed exactly in the same way as the assay samples, and it is recommended that their results be analyzed using appropriate statistical methods.

Failure to obtain the appropriate values for controls may indicate imprecise manipulations, improper sample handling or deterioration of reagents.

In case of packaging deterioration or if data obtained show some performance alteration, please contact your local distributor or use the following e-mail address: imunochem@beckman.com

According to EU regulation 2017/746, any serious incident that has occurred in relation to the device shall be reported to the manufacturer and the competent authority of EU Member State in which the user and/or patient is located.

PERFORMANCE CHARACTERISTICS

(For more details, see the data sheet "APPENDIX")

Representative data are provided for illustration only. Performance obtained in individual laboratories may vary.

Sensitivity

The LoD of the assay is 0.04 ng/mL, determined consistent with guidelines in CLSI document EP17-A2 [4] based on the proportions of false positives (α) less than 5% and false negatives (β) less than 5%; using determinations, with 120 blank and 120 low level samples; and Limit of Blank (LoB) of 0.02 ng/mL.

Specificity

The antibody used in the immunoassay is highly specific for progesterone.

Precision

Repeatability and within-laboratory precision

The precision of the assay was determined consistent with guidelines in CLSI document EP05-A3 [5]. For repeatability the coefficients of variation were found below or equal to 9.48% for serum samples. For within-laboratory precision the coefficients of variation were found below or equal to 16.85% for serum samples.

Accuracy

Linearity

The assay demonstrated to be linear from 0.02 to 76.02 ng/mL using serum samples (determined consistent with guidelines in CLSI document EP06-A [6]).

Dilution test

High-concentration serum samples were serially diluted in a sample with a low concentration of progesterone. The recovery percentages obtained were between 82.2% and 110%.

Recovery test

Low-concentration serum samples were spiked with known quantities of progesterone. The recovery percentages obtained were between 80.5% and 98.8%.

Measurement range (from LoD to the highest calibrator): 0.04 to approximately 50 ng/mL.

LIMITATIONS

Failure to follow these instructions for use (IFU) may significantly affect results.

Results should be interpreted in the light of the total clinical presentation of the patient, including clinical history, data from additional tests and other appropriate information.

Do not use hemolyzed, lipemic or icteric samples. For more details, see Appendix, § Interference.

In immunoassays, the possibility exists for interference by heterophile antibodies in the patient sample. Patients who have been regularly exposed to animals or have received immunotherapy or diagnostic procedures utilizing immunoglobulins or immunoglobulin fragments may produce antibodies, e.g. HAMA, that interfere with immunoassays. Immunoassays may be also affected by presence of anti-avidin or anti-streptavidin antibodies, as well as by the presence of autoantibodies directed against the determined analyte. Such interfering antibodies may cause erroneous results. Carefully evaluate the results of patients suspected of having these antibodies [7, 8, 9].

PERFORMANCE CHARACTERISTICS

Representative data are provided for illustration only. Performance obtained in individual laboratories may vary.

Interference

Serum samples containing progesterone concentrations (low and high) were spiked with multiple concentrations of the substances listed below and assayed using RIA Progesterone. Values were calculated as described in CLSI EP07, 3rd ed. [10]. Interference was determined by testing controls (no interfering substance added) and matched test samples (with interfering substance added). No interference (defined as a shift in dose > 15 %) was found for addition of interferent up to concentration stated in the table below.

Interferent	Test concentration
Acetylsalicylic acid	39.21 μg/mL
Ascorbic acid	63.39 µg/mL
Biotin	1,590 ng/mL
Conjugated bilirubin	458.8 µg/mL
Hemoglobin	10,391 µg/mL
Heparin	7,790 ng/mL
Cholesterol	2.34 mg/mL
Ibuprofen	158.8 µg/mL
Prednisone	128.3 ng/mL
Prednisolone	784.0 ng/mL
Rheumatoid factor	34.47 IU/mL
Triglycerides	17.77 mg/mL
Unconjugated bilirubin	453.1 µg/mL

In spite of hemoglobin, bilirubin (conjugated, unconjugated) and triglyceride interference data in the table, we advise to avoid using hemolyzed, lipemic or icteric samples.

Specificity

The cross-reactivity has been measured against various compounds in this assay. The percent cross-reactivity is expressed as the ratio of the progesterone concentration to the concentration of the reacting compound at 50% binding of the progesterone zero calibrator.

Steroid	Cross-reactivity (%)
Progesterone	100.0
5α-Pregnanedione	14.11
5β-Pregnanedione	6.26
6β-Hydroxyprogesterone	5.16
Corticosterone	3.87
11-Deoxycorticosterone	1.56
20a-Dihydroprogesterone	0.84
16a-Hydroxyprogesterone	0.83
Pregnenolone	0.75
17a-Hydroxyprogesterone	0.66
Pregnanolone	0.39
Testosterone	0.24
Pregnanolone sulfate	0.24
Pregnenolone sulfate	0.17
Δ4-Androstenedione	0.05
Medroxyprogesterone acetate	0.03
19-Nortestosterone	0.02
Cortisol	0.01
11-Deoxycortisol	ND
19-Norethisterone	ND
Androstenediol	ND
Danazol	ND
DHEA sulfate	ND
Prednisolone	ND
Estradiol	ND
Spironolactone	ND

ND = Non-detectable

.

Precision

Repeatability and within-laboratory precision

Samples were assayed for 20 days, 2 runs per day, in triplicates per run. Assays were performed by two lab technicians, by two reagent lots. There were 120 individual measurements per sample with no invalid results.

Serum	Mean (ng/mL)	Repeatability		Within-labo	pratory precision
		SD (ng/mL)	C.V. (%)	SD (ng/mL)	C.V. (%)
S1	24.20	1.97	8.12	3.32	13.70
S2	11.55	0.71	6.14	1.34	11.64
S3	5.19	0.38	7.23	0.56	10.70
S4	1.52	0.09	6.04	0.16	10.27
S5	0.77	0.07	8.61	0.10	12.47
S6	0.32	0.03	9.48	0.05	16.85

EDTA plasma	Mean (ng/mL)	Repeatability		Within-labora	atory precision
		SD (ng/mL)	C.V. (%)	SD (ng/mL)	C.V. (%)
P1	35.74	2.94	8.23	4.85	13.57
P2	11.95	0.87	7.27	1.30	10.85
P3	6.03	0.39	6.40	0.67	11.12
P4	2.26	0.12	5.14	0.23	10.08
P5	1.56	0.10	6.62	0.17	10.76
P6	0.42	0.03	7.74	0.06	15.00

Accuracy

Linearity

The assay demonstrated to be linear from 0.01 to 86.83 ng/mL using EDTA plasma samples (determined consistent with guidelines in CLSI document EP06-A [6]).

Dilution test

Samples were serially diluted by human serum with low concentration of progesterone and assayed according to the assay procedure of the kit.

Serum	Dilution	Progestero	ne (ng/mL)	Ratio (%)
	factor	Measured	Expected	Measured/ Expected
S1	-	47.29	-	-
	1:2	25.96	23.65	109.8
	1:4	11.18	11.82	94.57
	1:8	5.47	5.91	92.54
	1:16	2.91	2.96	98.46
	1:32	1.49	1.48	100.8
S2	-	50.34	-	-
	1:2	25.65	25.17	101.9
	1:4	11.76	12.59	93.44
	1:8	5.17	6.29	82.16
	1:16	2.92	3.15	92.81
	1:32	1.52	1.57	96.62
S3	-	47.43	-	-
	1:2	25.83	23.72	108.9
	1:4	11.26	11.86	94.96
	1:8	5.28	5.93	89.06
	1:16	2.76	2.96	93.11
	1:32	1.54	1.48	103.9

EDTA plasma	Dilution	Progestero	ne (ng/mL)	Ratio (%)
	factor	Measured	Expected	Measured/ Expected
P1	-	24.84	-	-
	1:2	14.04	12.42	113.0
	1:4	6.48	6.21	104.3
	1:8	2.87	3.11	92.43
	1:16	1.38	1.55	88.89
	1:32	0.63	0.78	81.16
P2	-	31.95	-	-
	1:2	17.29	15.98	108.2
	1:4	8.28	7.99	103.7
	1:8	3.29	3.99	82.38
	1:16	1.71	2.00	85.63
	1:32	0.80	1.00	80.13
P3	-	39.10	-	-
	1:2	21.34	19.55	109.2
	1:4	10.02	9.78	102.5
	1:8	4.33	4.89	88.59
	1:16	2.00	2.44	81.84
	1:32	0.99	1.22	81.02

Recovery test

Samples were spiked with known quantities of progesterone and assayed according to the assay procedure of the kit.

Serum	Endogen. conc.	Added conc.	Expected conc.	Measured conc.	Ratio (%) Measured/
		(ng	/mL)		Expected
S1	0.27	0.18	0.45	0.37	81.40
	0.29	0.29	0.58	0.48	83.02
	0.28	0.71	0.99	0.81	81.77
S2	0.29	0.18	0.47	0.41	86.73
	0.31	0.40	0.71	0.58	81.36
	0.30	0.71	1.01	0.87	86.19
S3	1.70	0.78	2.48	2.12	85.55
	1.67	0.96	2.63	2.12	80.54
	1.72	3.10	4.82	4.76	98.77

EDTA plasma	Endogen. conc.	Added conc.	Expected conc.	Measured conc.	Ratio (%) Measured/
		(ng	/mL)		Expected
P1	0.28	0.18	0.46	0.43	92.75
	0.30	0.29	0.59	0.52	88.44
	0.29	0.71	1.00	0.89	89.00
P2	0.54	0.18	0.72	0.60	83.54
	0.57	0.40	0.97	0.82	84.17
	0.56	0.71	1.26	1.06	83.85
P3	1.77	0.78	2.55	2.19	85.78
	1.74	0.96	2.71	2.38	87.95
	1.80	3.10	4.90	4.43	90.50

Female expected values

Phase	Ν	Min.	Max.	Median	2.5 th percentile	97.5 th percentile
		(ng/mL)				
Follicular phase						
- Early	103	< 0.03	1.63	0.44	0.05	1.08
- Middle	134	< 0.03	1.02	0.28	< 0.03	0.86
- Late	102	0.05	0.91	0.30	0.05	0.88
Preovulatory peak	69	0.06	1.79	0.76	0.26	1.37
Luteal phase						
- Early	108	0.50	17.2	2.57	0.79	10.5
- Middle	161	1.71	32.2	10.5	2.15	25.3
- Late	37	0.50	15.2	7.24	0.64	14.6

¹²⁵I Characteristics

T_{1/2} (¹²⁵I) = 1443 h = 60.14 d

125	E (MeV)	%
γ	0.035	6.5
K _α X-ray	0.027	112.5
K _β X-ray	0.031	25.4

Symbols Key			
REF	Product Reference / Référence du produit / Produktreferenz / Riferimento prodotto / Número de referencia del producto / Referência do produto / Produktreferens / Κωδικός αναφοράς προϊόντος / 产品参考 / Gaminio nuoroda / Termékszám / Dane referencyjne produktu / Reference k produktu / Referenčné označenie výrobku / 제품 참조 자료 / Ürün Referansı / Ссылка на продукт / Референца за производ / 產品參考		
IVD	In Vitro Diagnostic / Diagnostic in vitro / In-vitro-Diagnostikum / Diagnostica in vitro / Para diagnóstico in vitro / Diagnóstico in vitro / InVitro-diagnostik / Гıα διάγνωση in vitro / 体外诊断 / In vitro diagnostika / In vitro diagnosztikai felhasználásra / Diagnostyka in vitro / Diagnostika in vitro / 체외 진단 / İn Vitro Diagnostik / Диагностика in vitro / За ин витро диагностика / 體外診斷		
CONTENTS	Contents/Contenu / Inhalt / Contenuto / Contenido / Соnteúdo / Пεριεχόμενο / 组成 / Rinkinio sudėtis / Tartalom / Zawartość / Obsah / Obsah / 내용물 / İçindekiler / Содержание / Съдържание / 目錄		
	Manufactured by / Fabriqué par / Hergestellt von / Prodotto da / Fabricado por / Tillverkas av / Катаσκευαστής / 制造商 / Gamintojas / Gyártó: / Producent / Výrobce / Výrobca / 제조 / Üretici / Изготовлено / Произведено от / 製造商		
¥	Contains sufficient for <n> tests / Contenu suffisant pour "n" tests / Inhalt ausreichend für <n> Prüfungen / Contenuto sufficiente per "n" saggi / Contenido suficiente para <n> ensayos / Conteúdo suficiente para "n" ensaios / Räcker till "n" antal tester / Περιεχόμενο επαρκές για "v" εξετάσεις / 含量足够 <n> 次测试 / Turinio pakanka < n > tyrim / <n> teszthez elegendő mennyiséget tartalmaz / Zawartość wystarcza na <n> testów / Lze použít pro <n> testů / Obsah vystačí na < n > testov / <n> 테스트에 대해 충분한 양 포함 / <n> sayıda test için yeterlidir / Содержит достаточно для количества тестов: <n> / Съдържа достатъчно за <n> теста / 內容物足夠執行 <n> 次測試</n></n></n></n></n></n></n></n></n></n></n></n>		
CE	CE Mark / Marquage CE / CE-Kennzeichnung / Marchio CE / Marcado CE / Marcação CE / CE-märkning / Σήμανση CE / CE 标志 / CE ženklas / CE jelzés / Znak CE / Značka CE / Označenie CE / CE 표시 / CE İşareti / Маркировка CE / CE маркировка / CE 標識		
SDS	Safety Data Sheet / Fiche technique santé-sécurité / Sicherheitsdatenblatt / Scheda dati di sicurezza / Hoja de datos de seguridad / Ficha de Dados de Segurança / Säkerhetsdatablad / Φύλλο Δεδομένων Ασφάλειας / 安全数据单 / Saugos duomenų lapas / Biztonsági adatlap / Karta Charakterystyki Bezpieczeństwa / Bezpečnostní list / Bezpečnostný list / 안전보건자료 / Güvenlik Bilgi Formu / Паспорт безопасности / Информационен Лист За Безопасност / 安全性資料表		
ĺĺ	Consult Instructions for Use / Consultez le mode d'emploi / Siehe Gebrauchsanweisung / Consultare le istruzioni per l'uso / Consulte las Instrucciones de uso / Instruções de utilização / Konsultera bruksanvisning / Συμβουλευτείτε τις οδηγίες χρήσης / 请参阅使用说明 / Skaitykite naudojimo instrukciją / Olvassa el a használati utasítást / Zapoznać się z instrukcją użycia / Postupujte podle návodu k použití / Prečítajte si návod na použitie / 사용 안내 문의 / Kullanma Talimatina Başvurun / Обратитесь к инструкциям / Вижте Инструкциите за употреба / 請參閱使用說明		
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\triangle	Caution / Précaution / Achtung / Attenzione / Precaución / Atenção / Försiktighet / Проσоχή / 注意事项 / [spėjimas / Figyelem / Uwaga / Upozornění / Upozornenie / 주의 / Dikkat / Внимание / 注意		
\square	Expiration Date / Date D'expiration / Verfallsdatum, Verw. bis: / Data Di Scadenza / Fecha De Caducidad / Data de validade / Utgångsdatum / Нµєρоµηνіα λήξης / 失效日期 / Galiojimo data / Lejárati idő / Data ważności / Datum exspirace / Dátum exspirácie / 만료 날짜 / Son Kullanma Tarihi / Срок годности / Срок на годност / 到期日		
LOT	Lot Number / Numéro de lot / Chargennummer / Numero di lotto / Lote número / Número de lote / Satsnummer / Ари. тартібаς / 批次号 / partijos numeris / Tételszám / Numer serii / Číslo šarže / 로트 번호 / Lot Numarasi / Номер партии / Номер на партида / 批號		
M	Date of Manufacture / Date de Fabrication / Herstellungsdatum / Data di Fabbricazione / Fecha de Fabricación / Data de Fabrico / Produktionsdatum / Нµєроµηνία Пαραγωγής / 生产日期 / Pagaminimo Data / Gyártás Dátuma / Data Produkcji / Datum Výroby / Dátum Výroby / 제조 일자 / Üretim Tarihi / Дата Производства / Дата на Производство / 製造日期		

	Biohazard / Risque biologique / Biogefährdung / Rischio biologico / Riesgo biológico / Risco biológico / Biologisk fara / Воλоγικός κίνδυνος / 生物危害 / Biologisk fara / Veszélyes biológiai anyag / Zagrożenie biologiczne / Biologické riziko / Biologické riziko / 생물학적 위험 / Biyolojik tehlike / Биологическая опасность / Биологична опасност / 生物危害		
	Radioactive / Radioactif / Radioattiv / Radioattivo / Radioactivo / Radioaktivt / Рабкекрүо́ / 放射性 / Radioaktyvioji medžiaga / Radioaktív / Radioaktywny / Radioaktivní / Rádioaktívny / 방사성 / Radyoaktif / Радиоактивный / Радиоактивен / 具放射性		
Ag ¹²⁵ I Ab ¹²⁵ I	Tracer / Traceur / Tracer / Marcato / Trazador / Marcador / Tracer / Аviχvɛυтής / 追踪剂 / Atsekamoji medžiaga / Nyomjelző / Znacznik / Radioindikátor / Indikátor (tracer) / 트레이서 / Tracer lar / метка / Индикатор / 追蹤劑		
CAL CAL 0	Calibrator / Calibrateur / Kalibrator / Calibratore / Calibrador / Calibrador / Kalibrator / Вαθμονομητής / 校准品 / Kalibravimo medžiaga / Kalibrátor / Kalibrator / Kalibrátor	CTRL	Control / Contrôle / Kontrolle / Control / Control / Kontrolle / Ма́ртирас / 质控品 / Kontrolinè / Kontrol / Kontrola / Kontrola / Kontrola / Kontrol / Kontrol / Контроль / Контролна / 質控品
TUBE	Tubes / tubes / Röhrchen / provette / tubos / Tubos de amostra / Provrör / σωληνάρια / 试管 / Mėgintuvėliai / Csövek / Probówki / Zkumavky / Skúmavky / 튜브 / Тüpler / пробирки / Епруветки / 試管		
[FU]	Instruction for Use / Mode d'emploi / Gebrauchsanweisung / Istruzioni per l'uso / Instrucciones de uso / Instruções de utilização / Bruksanvisning / Оδηγίες χρήσης / 使用说明 / Naudojimo instrukcija / Használati utasítás / Instrukcja użycia / Návod k použití / Návod na použitie / 사용 안내 / Kullanma Talimati / Инструкции / Инструкции за употреба / 使用說明		

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