

LTC4 KITS

Part # 64LC4PEG & 64LC4PEH

Test size#: 500 tests (64LC4PEG) and 10,000 tests (64LC4PEH) - assay volume: 20 µL

Revision: #05 of September 2023

Store at: -60°C or below (64LC4PEG); -60°C or below (64LC4PEH) For research use only. Not for use in diagnostic procedures.

ASSAY PRINCIPLE

This kit is intended for the simple and rapid quantification of Leukotriene C4 (LTC4) and offers a fast alternative to ELISA.

The detection principle of this kit is based on HTRF® technology (Homogeneous Time-Resolved Fluorescence). As shown in Figure 1, LTC4 is detected in a competitive assay by using anti LTC4 antibody labeled with Europium cryptate (donor), and LTC4 labeled with d2 (acceptor).

When the dyes are in close proximity, the excitation of the donor with a light source (laser or flash lamp) triggers a Fluorescence Resonance Energy Transfer (FRET) towards the acceptor, which in turn fluoresces at a specific wavelength (665 nm). The LTC4 present in the sample competes with the binding between the two HTRF detection solutions and thereby prevents FRET from occurring. The specific signal is inversely proportional to the LTC4 concentration.

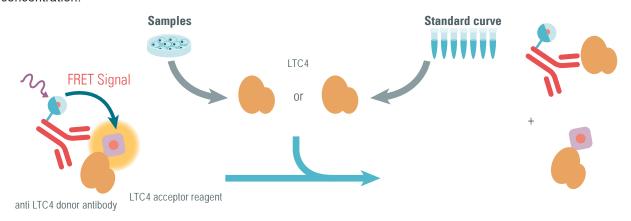
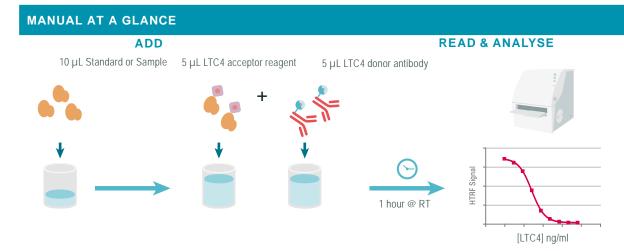


Figure 1: Principle of HTRF LTC4 competitive assay.



Do not pre-mix the d2 and Cryptate solutions prior to dispensing.

Make sure to use the set-up for Eu Cryptate.

MATERIALS PROVIDED:

KIT COMPONENTS	500 TESTS * CAT # 64LC4PEG	10,000 TESTS * CAT # 64LC4PEH
LTC4 Standard	1 vial - 20 μL 100 μg/mL - Ethanol	1 vial - 20 μL 100 μg/mL - Ethanol
anti LTC4 antibody Eu Cryptate antibody	1 vial - 50 μL Frozen - 50X	1 vial - 1 mL Frozen - 50X
LTC4 d2 reagent	1 vial - 50 μL Frozen - 50X	1 vial - 1 mL Frozen - 50X
Diluent ** ready-to-use	1 vial 20 mL	1 vial 20 mL
Detection buffer *** ready to use	1 vial 7 mL	1 vial 105 mL

^{*} When used as advised, the two available kit sizes will provide sufficient reagents for 500 tests and 10,000 tests respectively in 20 μL final volume.. Assay volumes can be adjusted proportionally to run the assay in 96 or 1536 well microplates.

PURCHASE SEPARATELY:

HTRF®-Certified Reader. Make sure the setup for Eu Cryptate is used.

For a list of HTRF-compatible readers and set-up recommendations, please visit www.revvity.com

• Small volume (SV) detection microplates - .

For more information about microplate recommendations, please visit our website at: www.revvity.com

STORAGE AND STABILITY

Under proper storage conditions, reagents are stable until the expiry date indicated on the label. Diluent and detection buffer are shipped frozen, but can be stored at 2-8°C in your premises.

If lyophilized, reconstituted reagents, antibodies, and standard stock solutions may be frozen and thawed only once. To avoid freeze/thaw cycles, it is recommended to dispense remaining stock solutions into disposable plastic vials for storage at -60 C or below.

REAGENT PREPARATION

BEFORE YOU BEGIN:

- It is very important to prepare reagents in the specified buffers. The use of an incorrect diluent may affect reagent stability and assay results.
- Before use, allow Diluent and Detection buffer to warm up at room temperature and homogenize them with a vortex.
- Thaw all reagents at room temperature, allow them to warm up.
- · Antibody solutions must be prepared in individual vials and can be mixed prior to dispensing.
- LTC4 standards (for standard curve) must be prepared in diluent or in the same medium as the samples.

TAKE CARE TO PREPARE STOCK AND WORKING SOLUTIONS ACCORDING TO THE DIRECTIONS FOR THE KIT SIZE YOU HAVE PURCHASED.

^{**} Medium like cell culture medium can be an alternative to the diluent.

^{***} The Detection buffer is used to prepare working solutions of acceptor and donor reagents.

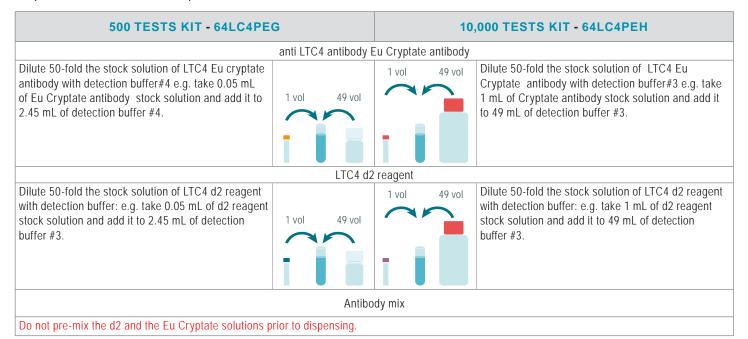
TO PREPARE REAGENT STOCK SOLUTIONS:

500 TESTS KIT - 64LC4PEG			10,000 TESTS KIT - 64LC4PEH
an	ti LTC4 antibody E	Eu Cryptate antiboo	dy
Thaw the anti LTC4 antibody Eu Cryptate antibody . Mix gently. This 50X stock solution can be frozen and stored at -60°C or below.	i	Ī	Thaw the anti LTC4 antibody Eu Cryptate antibody . Mix gently. This 50X stock solution can be frozen and stored at -60°C or below.
	LTC4 d2	reagent	
Thaw the LTC4 d2 reagent . Mix gently. This 50X stock solution can be frozen and stored at -60°C or below.	Ī	I	Thaw the LTC4 d2 reagent . Mix gently. This 50X stock solution can be frozen and stored at -60°C or below.
	LTC4 S	tandard	
Thaw the LTC4 standard solution in order to obtain a 100 µg/mL (see vial label) stock solution. Mix gently.			Thaw the LTC4 standard solution in order to obtain a 100 µg/mL (see vial label) stock solution. Mix gently.
	Dilu	ent	
The diluent is ready-to-use			The diluent is ready-to-use
	Detectio	n buffer	
The Detection buffer is ready-to-use.			The Detection buffer is ready-to-use.w

TO PREPARE ANTIBODY WORKING SOLUTIONS:

Each well requires 5 μL anti LTC4 antibody Eu Cryptate antibody and 5 μL LTC4 d2 reagent.

Prepare the two solutions in separate vials.



TO PREPARE STANDARD WORKING SOLUTIONS:

- Each well requires 10 μL of standard.
- Dilute the standard stock solution serially with diluent or in the medium used for the preparation of the samples
- Due to the sticky property of LTC4 on albumin, do not use buffers containing albumin. We recommend preparing standard curve in the diluent provided in the kit (casein 0.1%). Buffer containing fetal calf serum up to 2% can be used to replace the diluent. Due to its instability, the LTC4 standard curve must be prepared just before use (avoid repeated freezing and thawing). Centrifuge the vial of standard stock solution (green cap) before opening the cap.
- In order to check for a potential interference effect from your own assay buffer when using the assay for the first time, we highly recommend the parallel preparation of a standard curve in your own supplemented cell culture medium and in diluent.
- · In order to counteract any standard sticking, we recommend changing tips between each dilution.

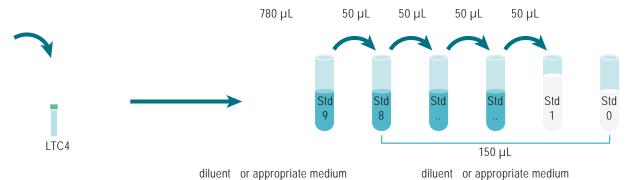
A recommended standard dilution procedure is listed and illustrated below:

Dilute the standard stock solution 40-fold with diluent to prepare high standard (Std 9): e.g. take 780 μ L of standard stock solution and add it to of diluent. Mix gently.

Use the high standard (Std 9) to prepare the standard curve using 1/4 serial dilutions as follows:

- Dispense 150 µL of diluent in each vial from Std 8 to Std 0.
- Add 50 μ L of standard to 150 μ L of diluent , mix gently and repeat the 1/4 serial dilution to make standard solutions: std8, std7, std6, std5, std4, std3, std2, std1.

This will create 9 standards for the analyte. Std 0 (Positive control) is diluent or appropriate culture medium alone.

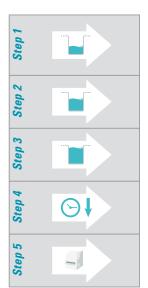


LTC4 WORKING **STANDARD SERIAL DILUTIONS** SOLUTION (ng/mL) Standard Stock solution Thawed stock solution 100,000 Standard 9 Add directly 780µL of diluent to the 20µL of standard stock solution 2,500 Standard 8 625 $50 \mu L Std 9 + 150 \mu L Diluent$ Standard 7 $50 \mu L Std 8 + 150 \mu L Diluent$ 156.25 Standard 6 50 μL Std 7 + 150 μL Diluent 39.06 9.77 Standard 5 $50 \mu L Std 6 + 150 \mu L Diluent$ Standard 4 50 μL Std 5 + 150 μL Diluent 2.44 Standard 3 50 μL Std 4 + 150 μL Diluent 0.61 Standard 2 50 μL Std 3 + 150 μL Diluent 0.15 Standard 1 0.04 $50 \mu L Std 2 + 150 \mu L Diluent$ Standard 0 150 µL Diluent 0

TO PREPARE SAMPLES:

- Each well requires 10 μL of sample.
- Just after their collection, put the samples at 4°C and test them immediately. For later use, samples should be dispensed into disposable plastic vials and stored at -60°C or below. Avoid multiple freeze/thaw cycles.
- Samples with a concentration above the highest standard (Std 9) must be diluted diluent or in your appropriate sample medium.

ASSAY MANUAL



Negative control or Cryptate control	Standard (Std 0 - Std 9)	Samples	
Dispense 10 µL of diluent into each negative control well Dispense 10 µL of each LTC4 standard (Std 0 - Std 9) into each standard well Dispense 10 µL of each sample well			
Add 5 µL of detection buffer to all negative control wells Add 5 µL LTC4 acceptor reagent working solution to all wells			
Add 5 μ	uL LTC4 donor antibody working solution to	all wells	
	Seal the plate and incubate 1 hour @ RT		
Remove the plate sealer and read on an HTRF® compatible reader			

S μL LTC4 donor antibody 10 μL Std 0 (Positive control) 8	Α 5 μ	μL diluent (Negative control)		3	4	5	6
5 μL LTC4 donor antibody 5 μL LTC4 donor antibody 10 μL Std 0 (Positive control) Repeat Well B1 5 μL LTC4 donor antibody 10 μL Sample 2 5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibody Repeat Well B1 5 μL LTC4 donor antibody 10 μL Sample 2 5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibody Repeat Well C1 5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibody Repeat Well C1 5 μL LTC4 donor antibody Repeat Well C1 10 μL Std 2 Repeat Well D1 5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibody Repeat Well D1 5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibody Repeat Well D1 10 μL Sample Repeat Well D1 5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibody Repeat Well E1 5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibody Repeat Well E1 5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibody Repeat Well E1 5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibody Repeat Well E1 10 μL Sample Repeat Well E1 5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibody Repeat Well E1 10 μL Sample Repeat Well E1 5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibody Repeat	5 L				10 μL Sample 1		
Repeat Well B1 S μL LTC4 acceptor reagent S μL LTC4 donor antibody 10 μL Std 1 Repeat Well C1 S μL LTC4 donor antibody 10 μL Std 2 S μL LTC4 acceptor reagent S μL LTC4 donor antibody 10 μL Std 2 S μL LTC4 acceptor reagent S μL LTC4 donor antibody 10 μL Std 2 S μL LTC4 donor antibody 10 μL Std 2 S μL LTC4 acceptor reagent S μL LTC4 donor antibody 10 μL Std Repeat Well D1 Repeat Well D1 S μL LTC4 donor antibody 10 μL Std Repeat Well E1 Repeat Well E1 Repeat Well E1 Repeat Well E1 S μL LTC4 acceptor reagent S μL LTC4 donor antibody 10 μL Std Repeat Well E1 Repeat Well E1 S μL LTC4 acceptor reagent S μL LTC4 donor antibody 10 μL Std Repeat Well E1 S μL LTC4 acceptor reagent S μL LTC4 donor antibody 10 μL Std Repeat Well E1 S μL LTC4 acceptor reagent S μL LTC4 donor antibody 10 μL Std Repeat Well E1 S μL LTC4 acceptor reagent S μL LTC4 donor antibody 10 μL Std Repeat Well E1 S μL LTC4 acceptor reagent S μL LTC4 donor antibody 10 μL Std Repeat Well E1 S μL LTC4 acceptor reagent S μL LTC4 donor antibody 10 μL Std Repeat Well E1 Repeat Well E1 S μL LTC4 acceptor reagent S μL LTC4 donor antibody Repeat Well E1 S μL LTC4 acceptor reagent S μL LTC4 donor antibody Repeat Well E1 S μL LTC4 acceptor reagent S μL LTC4 donor antibody Repeat Well E4 Repeat	5 µ		Repeat Well A1	Repeat Well A1		Repeat Well A4	Repeat Well A4
5 μL LTC4 donor antibody 10 μL Std 1 5 μL LTC4 donor antibody 10 μL Std 1 5 μL LTC4 donor antibody 10 μL Sample 3 5 μL LTC4 donor antibody 10 μL Sample 3 5 μL LTC4 donor antibody 10 μL Std 2 5 μL LTC4 donor antibody 10 μL Sample 8 κερεαί Well D1 8 κερεαί Well D1 8 κερεαί Well D1 5 μL LTC4 donor antibody 10 μL Sample 5 μL LTC4 donor antibody 10 μL Sample 5 μL LTC4 donor antibody 10 μL Sample 5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Sample 8 κερεαί Well E1 8 κερεαί Well E1 9 μL LTC4 donor antibody 10 μL Sample 5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Std 10 μL Sample 8 κερεαί Well F1 8 κερεαί Well F1 8 κερεαί Well F1 5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Sample 5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Std 8 κερεαί Well F1 8 κερεαί Well F1 8 κερεαί Well F1 5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Sample 5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Std 10 μL Sample 8 κερεαί Well G4 9 μL LTC4 donor antibody 10 μL Sample	10	μL Std 0 (Positive control)			10 µL Sample 2		
5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibodyRepeat Well C1Repeat Well C1Full LTC4 donor antibodyRepeat Well C4Repeat Well C4Repeat Well C410 μL Std 210 μL Sample10 μL Sample5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibody5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibodyRepeat Well D110 μL Sample10 μL Sample5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibodyRepeat Well E110 μL Sample5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibodyRepeat Well E410 μL Sample10 μL Sample5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibodyRepeat Well F110 μL SampleRepeat Well F15 μL LTC4 acceptor reagent 5 μL LTC4 donor antibodyRepeat Well G110 μL SampleRepeat Well G15 μL LTC4 acceptor reagent 5 μL LTC4 donor antibodyRepeat Well G110 μL SampleRepeat Well G15 μL LTC4 acceptor reagent 5 μL LTC4 donor antibodyRepeat Well G110 μL SampleRepeat Well G1	5 L		Repeat Well B1	Repeat Well B1		Repeat Well B4	Repeat Well B4
5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Std 2 Repeat Well D1 S μL LTC4 donor antibody 10 μL Sample Repeat Well D1 S μL LTC4 donor antibody 10 μL Sample Repeat Well E1 S μL LTC4 donor antibody 10 μL Sample Repeat Well E1 S μL LTC4 donor antibody 10 μL Sample Repeat Well E1 S μL LTC4 donor antibody 10 μL Sample Repeat Well E1 S μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Std Repeat Well E1 Repeat Well E1 S μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Sample Repeat Well E1 S μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Sample Repeat Well E1 S μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Sample Repeat Well E1 S μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Sample Repeat Well E1 S μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Sample Repeat Well E1 S μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Sample Repeat Well E1 S μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Sample Repeat Well E1 S μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Sample Repeat Well E1 S μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Sample Repeat Well E1 S μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Sample Repeat Well E1 S μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Sample Repeat Well E1 S μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Sample	10	μL Std 1			10 μL Sample 3		
Repeat Well D1 S µL LTC4 acceptor reagent 5 µL LTC4 donor antibody 10 µL Std Repeat Well E1 Repeat Well E1 S µL LTC4 acceptor reagent 5 µL LTC4 acceptor reagent 5 µL LTC4 donor antibody 10 µL Std Repeat Well E1 Repeat Well E1 S µL LTC4 acceptor reagent 5 µL LTC4 donor antibody 10 µL Std Repeat Well E1 Repeat Well E1 S µL LTC4 acceptor reagent 5 µL LTC4 donor antibody 10 µL Std Repeat Well E1 Repeat Well E1 S µL LTC4 acceptor reagent 5 µL LTC4 donor antibody 10 µL Std S µL LTC4 acceptor reagent 5 µL LTC4 donor antibody 10 µL Std Repeat Well G1 Repeat Well G1 Repeat Well G1 S µL LTC4 acceptor reagent 5 µL LTC4 donor antibody 10 µL Sample S µL LTC4 acceptor reagent 5 µL LTC4 acceptor reagent 5 µL LTC4 donor antibody 10 µL Sample S µL LTC4 acceptor reagent 5 µL LTC	5 L		Repeat Well C1	Repeat Well C1		Repeat Well C4	Repeat Well C4
5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μLStd Fepeat Well E1 Repeat Well E1 S μL LTC4 acceptor reagent 5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Std Repeat Well E1 S μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Std Repeat Well F1 Repeat Well F1 S μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Sample S μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Std Repeat Well F1 S μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Std Repeat Well G1 Repeat Well G1 Repeat Well G1 S μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Sample Repeat Well G1 Repeat Well G1 S μL LTC4 acceptor reagent 5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Sample 10 μL Sample Repeat Well G4	10	μL Std 2			10 μL Sample		
Repeat Well E1 5 µL LTC4 acceptor reagent 5 µL LTC4 donor antibody 10 µL Std F 5 µL LTC4 acceptor reagent 5 µL LTC4 donor antibody 10 µL Std Repeat Well F1 Repeat Well F1 Repeat Well F1 S µL LTC4 acceptor reagent 5 µL LTC4 donor antibody 10 µL Sample Repeat Well F1 S µL LTC4 donor antibody 10 µL Std Repeat Well F1 S µL LTC4 donor antibody 10 µL Sample S µL LTC4 acceptor reagent 5 µL LTC4 donor antibody 10 µL Sample S µL LTC4 acceptor reagent 5 µL LTC4 acceptor reagent 5 µL LTC4 acceptor reagent 5 µL LTC4 donor antibody 10 µL Sample 10 µL Sample 10 µL Sample 10 µL Sample	5 L		Repeat Well D1	Repeat Well D1		Repeat Well D4	Repeat Well D4
5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Std F 5 μL LTC4 donor antibody 10 μL Std Repeat Well F1 S μL LTC4 acceptor reagent 5 μL LTC4 acceptor reagent 5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Std Repeat Well F1 S μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Sample Repeat Well G1 Repeat Well G1 S μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Sample Repeat Well G4	10	μLStd			10 μL Sample		
Repeat Well F1 S µL LTC4 acceptor reagent 5 µL LTC4 donor antibody 10 µL Std Repeat Well F1 Repeat Well F1 Repeat Well F1 S µL LTC4 acceptor reagent 5 µL LTC4 donor antibody 10 µL Std Repeat Well G1 Repeat Well G1 S µL LTC4 acceptor reagent 5 µL LTC4 donor antibody 10 µL Std 10 µL Sample 10 µL Sample 10 µL Sample 10 µL Sample	5 L		Repeat Well E1	Repeat Well E1		Repeat Well E4	Repeat Well E4
5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Std 5 μL LTC4 donor antibody 10 μL Std Repeat Well G1 Repeat Well G1 5 μL LTC4 acceptor reagent 7 μL LTC4 acce	10	μL Std			10 μL Sample		
10 μL Std 5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Sample	5 L		Repeat Well F1	Repeat Well F1		Repeat Well F4	Repeat Well F4
5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibody 10 μL Std 10 μL Sample	10	μL Std			10 μL Sample		
1 2 3 4 4 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 1	5 L		Repeat Well G1	Repeat Well G1		Repeat Well G4	Repeat Well G4
1 2 3 4 7 8 9 10 11 12 13 14 15 16 17 18 19 10 12	10	μL Std			10 μL Sample		
5 μL LTC4 acceptor reagent 5 μL LTC4 donor antibody Repeat Well H1 S μ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ	5 L		Repeat Well H1	Repeat Well H1	1 2 3 4 6 7 8 9 10 11 5 μ 8 5 μ 8 6 7 8 9 10 11	12 13 14 15 16 1	7 18 19 20 21 22

DATA REDUCTION

1. Calculate the ratio of the acceptor and donor emission signals for each individual well.

Ratio =
$$\frac{\text{Signal 665 nm}}{\text{Signal 620 nm}} \times 10^4$$

2. Calculate the % CVs. The mean and standard deviation can then be worked out from ratio replicates.

3. Calculate the % delta F which reflects the signal to background of the assay. The negative control plays the role of an internal assay control. Delta F is used for the comparison of day to day runs of the same assay.

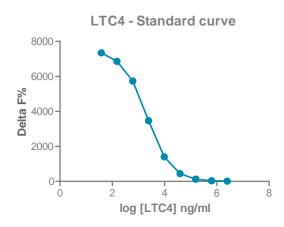
For more information about data reduction, please visit www.revvity.com

RESULTS

This data must not be substituted for the data obtained in the laboratory and should be considered only as an example. Results may vary from one HTRF® compatible reader to another.

The assay standard curve is created by plotting delta F% versus the analyte concentration.

	Ratio (1)	CV (2)	Delta F% (3)
Negative control	410	2.6%	
Std 0 – Positive control	30,758	0.4%	7,409%
Std 1 - 0.038 ng/mL	30,522	1%	7,351%
Std 2 - 0.153 ng/mL	28,513	1.2%	6,861%
Std 3 - 0.61 ng/mL	23,914	1.5%	5,738%
Std 4 - 2.44 ng/mL	14,626	3.5%	3,471%
Std 5 - 9.77 ng/mL	6,143	2.2%	1,400%
Std 6 - 39.06 ng/mL	2,214	2%	441%
Std 7 - 156.25 ng/mL	929	2.1%	127%
Std 8 - 625 ng/mL	571	0.9%	39%
Std 9 - 2500 ng/mL	467	2%	14%



ANALYTICAL CHARACTERISTICS

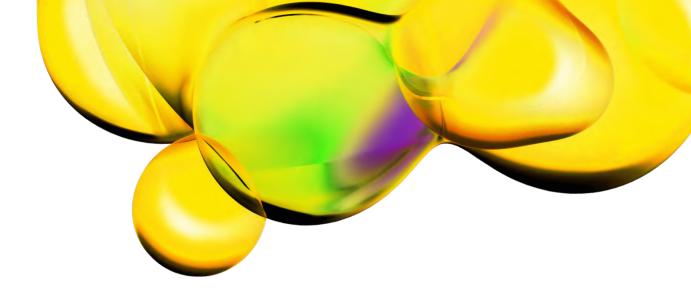
CROSS-REACTIVITY

	Cross-reactivity %
Leukotriene C4	100%
Leukotriene D4	100%
Leukotriene E4	100%
Leukotriene B4	<0.01%
Leukotriene A4	<2%

DETECTION LIMIT

Detection limit	< 0.1 ng/mL
EC50	2.7 ng/mL

This product contains material of biologic origin. Use for research purposes only. Do not use in humans or for diagnostic purposes. The purchaser assumes all risk and responsibility concerning reception, handling and storage. The use of the cell line will be done with appropriate safety and handling precautions to minimize health and environmental impact. Remaining disclaimer.



The information provided in this document is for reference purposes only and may not be all-inclusive. Revvity, Inc., its subsidiaries, and/or affiliates (collectively, "Revvity") do not assume liability for the accuracy or completeness of the information contained herein. Users should exercise caution when handling materials as they may present unknown hazards. Revvity shall not be liable for any damages or losses resulting from handling or contact with the product, as Revvity cannot control actual methods, volumes, or conditions of use. Users are responsible for ensuring the product's suitability for their specific application. REVVITY EXPRESSLY DISCLAIMS ALL WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, REGARDLESS OF WHETHER ORAL OR WRITTEN, EXPRESS OR IMPLIED, ALLEGEDLY ARISING FROM ANY USAGE OF ANY TRADE OR ANY COURSE OF DEALING, IN CONNECTION WITH THE USE OF INFORMATION CONTAINED HEREIN OR THE PRODUCT ITSELF

Manufactured by Cisbio Bioassays - Parc Marcel Boiteux - 30200 Codolet - FRANCE

www.revvity.com

