

PRODUCT DATA SHEET



ENZ-51020

GFP-Certified™ FluoForte™ Calcium assay kit for microplates

Product Number/Sizes

ENZ-51020-KP010 1 Kit
ENZ-51020-KP100 1 Kit

Product Specifications

KIT/SET CONTAINS:

Starter pack (Prod. No. ENZ-51020-KP010):
Reagent A (lyophilized GFP-Certified™ FluoForte™ dye), 1 vial
Reagent B (dye efflux inhibitor), 10ml
Reagent C (Hanks' buffer with 20mM HEPES, 100ml)
Sufficient for 10 x 96-well plates

High-throughput (Prod. No. ENZ-51020-KP100):
Reagent A (lyophilized GFP-Certified™ FluoForte™ dye), 10 vials
Reagent B (dye efflux inhibitor), 10 x 10ml
Sufficient for 100 x 96-well plates

APPLICATION:

The GFP-Certified™ FluoForte™ Calcium Assay kit provides a homogeneous fluorescence-based assay for detecting intracellular calcium mobilization across a broad spectrum of biological targets.

QUALITY CONTROL:

% purity of Reagent A (GFP-Certified™ FluoForte™ dye) by HPLC is ≥95%.

QUANTITY:

ENZ-51020-KP010: for 10 x 96-well plates
ENZ-51020-KP100: for 100 x 96-well plates

SHIPPING:

SHIPPED ON DRY ICE

SHORT TERM STORAGE:

-20°C

LONG TERM STORAGE:

-80°C

HANDLING:

Avoid freeze/thaw cycles. Protect from light.

Product Description

Enzo Life Sciences' GFP-Certified™ FluoForte™ Calcium Assay Kit (high-throughput) provides a homogeneous fluorescence-based assay for detecting intracellular calcium mobilization across a broad spectrum of biological targets. Relative to other commercially available dyes, the GFP-Certified™ FluoForte™ dye is the brightest and most sensitive fluorescent calcium indicator. The kit provides a homogeneous mix-and-read, no-wash calcium mobilization assay. The homogenous cell-based assay for calcium offers fewer steps, lower variability and an easier protocol for adherent and non-adherent cell lines. In addition, it requires neither a washing step, nor exogenous addition of a quencher dye, which could adversely effect receptor-ligand interaction kinetics.

Background/Technical Information

For the Manual please click here.

The GFP-Certified™ FluoForte™ Calcium Assay Kit is a member of the CELLestial® product line, reagents and assay kits comprising fluorescent molecular probes that have been extensively benchmarked for live cell analysis applications. CELLestial® reagents and kits are optimal for use in demanding cell analysis applications involving confocal microscopy, flow cytometry, microplate readers and HCS/HTS, where consistency and reproducibility are required.

Revised 09-Jun-10

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

MATERIAL SAFETY DATA: This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Material Safety Data Sheet.

WARRANTY AND LIMITATION OF REMEDY: Enzo Life Sciences AG; Enzo Life Sciences International, Inc.; Enzo Life Sciences GmbH; Enzo Life Sciences (UK) Ltd. and Enzo Life Sciences BVBA („The Companies“) make no warranty of any kind, expressed or implied, including, but not limited to, the warranties of fitness for a particular purpose and merchantability, which extends beyond the description of the chemicals on the face hereof, except that the material will meet our specifications at the time of delivery. Buyer's exclusive remedy and the Companies' sole liability hereunder shall be limited to refund of the purchase price of, or at the Companies' option the replacement of, all material that does not meet our specifications. The Companies shall not be liable otherwise or for incidental or consequential damages, including, but not limited to, the costs of handling. Said refund or replacement is conditioned on Buyer giving written notice to the Companies within thirty (30) days after arrival of the material at its destination. Failure of Buyer to give said notice within said thirty (30) days shall constitute a waiver by Buyer of all claims hereunder with respect to said material.

NORTH/SOUTH AMERICA

ENZO LIFE SCIENCES INTERNATIONAL, INC.
5120 Butler Pike
Plymouth Meeting, PA 19462-1202
USA
T 1-800-942-0430/(610) 941-0430
F (610) 941-9252
E info-usa@enzolifesciences.com

SWITZERLAND & REST OF EUROPE

ENZO LIFE SCIENCES AG
Industriestrasse 17, Postfach
CH-4415 Lausen
Switzerland
T +41/0 61 926 89 89
F +41/0 61 926 89 79
E info-ch@enzolifesciences.com
www.enzolifesciences.com

GERMANY

ENZO LIFE SCIENCES GMBH
Marie-Curie-Strasse 8
DE-79539 Lörrach
Germany
T +49/0 7621 5500 526
Toll Free 0800 664 9518
F +49/0 7621 5500 527
E info-de@enzolifesciences.com
www.enzolifesciences.com

BENELUX

ENZO LIFE SCIENCES BVBA
Melkerijweg 3
BE-2240 Zandhoven
Belgium
T +32/0 3 466 04 20
F +32/0 3 466 04 29
E info-be@enzolifesciences.com
www.enzolifesciences.com

UK & IRELAND

ENZO LIFE SCIENCES (UK) LTD.
Palatine House
Matford Court
Exeter EX2 8NL
UK
T 0845 601 1488 (UK customers)
T +44/0 1392 825900 (from overseas)
F +44/0 1392 825910
E info-uk@enzolifesciences.com
www.enzolifesciences.com

FRANCE

ENZO LIFE SCIENCES
c/o Covalab s.a.s
13, Avenue Albert Einstein
FR-69100 Villeurbanne
France
T +33 472 440 655
F +33 437 484 239
E info-fr@enzolifesciences.com
www.enzolifesciences.com