

PRODUCT DATA SHEET



ENZ-51023

ProteoStat™ Protein aggregation assay

Product Number/Sizes

ENZ-51023-KP002 1 Kit

Product Specifications

KIT/SET CONTAINS:

ProteoStat™ detection reagent
22 µl
ProteoStat™ positive control
300 µg, Aggregate

ProteoStat™ negative control
300 µg, Monomer

10X ProteoStat™ assay buffer
15 ml

APPLICATION:

This kit has been specifically designed for monitoring of protein aggregate formation in solution.

QUALITY CONTROL:

Using the procedure described in the manual, a sample ProteoStat™ Protein aggregation assay kit is used to assay the following: (1) aggregated lysozyme; (2) native lysozyme (negative control); and (3) mixtures of 5% aggregate. The Z' factor is greater than 0.5. At least 5% of the aggregated protein in the assay is detected.

QUANTITY:

2 x 96-well plates

SHIPPING:

SHIPPED ON DRY ICE

LONG TERM STORAGE:

-80°C

USE/STABILITY:

With proper storage, the kit components are stable up to the date noted on the product label. Store kit at -20°C in a non-frost free freezer or -80°C for longer term storage.

HANDLING:

Protect from light. Avoid freeze/thaw cycles.

Product Description

Enzo Life Sciences' ProteoStat™ Protein aggregation assay provides a simple, homogenous assay format for monitoring peptide and protein aggregation in solution. This is useful for defining optimal storage formulations for proteins, for screening of compounds that promote or inhibit protein aggregation and potentially for the sensitive measurement of molecular chaperone activity.

The assay can be employed to streamline protein processing and formulation optimization procedures. Relative to conventional protein aggregation detection dyes, such as Thioflavin T, the Enzo ProteoStat™ detection reagent can detect aggregates from a broader range of proteins, yields a much brighter signal, provides at least 2 orders of magnitude linear dynamic range and offers superior performance across a broad range of pH values (4-10) and buffer compositions. Sensitivity for this assay is in the sub-micromolar range and as little as 1-5% protein aggregate is detectable in a concentrated protein solution. The assay is capable of providing quantitative analysis of protein aggregation in a robust and high-throughput fashion (Z' factor score >0.5). Lyophilized native and aggregated protein are provided as negative and positive controls for monitoring changes in protein aggregation status.

Background/Technical Information

For the Manual please click [here](#).

Enzo and ProteoStat are trademarks of Enzo Life Sciences, Inc. Greiner is a registered trademark of Greiner Bio-One. Several of Enzo's products and product applications are covered by US and foreign patents and patents pending.

Revised 15-Apr-10

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

**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

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.