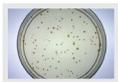




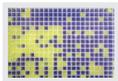
Genetic Toxicology Testing

MUTAZYME™

- Rat liver S9 Mix complete
- With NADPH regenerating system & Co-factors
- Lyophilized (-20°C storage)
- Complete and ready to use after reconstitution for following assays:



Ames Plate Incorporation Assay (5% and 10% MUTAZYME™)



MOLTOX® FT™ "471" and other liquid formats (30% MUTAZYME™)



Micro Ames Test (10% MUTAZYME™)



Micronucleus Testing



**MOLTOX PRODUCTS
DELIVERY FROM STOCK!**

| Catalog No | Description | | Storage | Size |
|----------------------|---|-------------|---------|------------------|
| 11-406.3L | MUTAZYME™ 30% S9 Mix, SD rat liver PB/BNF | lyophilized | -20°C | 3,25 ml per vial |
| 11-402L [^] | MUTAZYME™ 10% S9 Mix, SD rat liver Aroclor [^] | lyophilized | -20°C | 20 ml per vial |
| 11-404L | MUTAZYME™ 10% S9 Mix, SD rat liver PB/BNF | lyophilized | -20°C | 20 ml per vial |
| 11-405L | MUTAZYME™ 5% S9 Mix, SD rat liver PB/BNF | lyophilized | -20°C | 20 ml per vial |

[^] Because of impending Aroclor shortage, supply of Aroclor induced S9 products depends on availability!



For information send an E-Mail to info@trinova.de

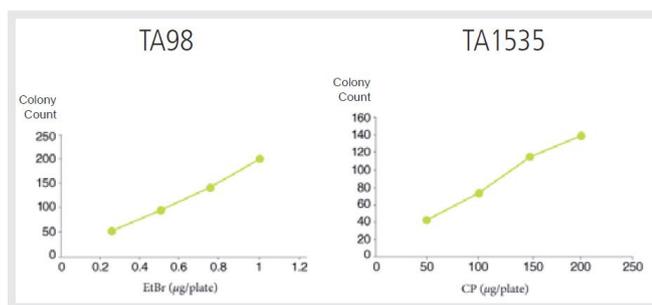


Composition

MUTAZYME™ consists of Aroclor 1254 or PB/BNF induced male SD rat liver S9 that has been freeze dried with NADP, D-glucose-6-phosphate, MgCl₂, KCl in pH7.4 sodium phosphate buffer. After reconstitution, the resultant S9 Mix cofactor solution is as described by Maron and Ames (Mutat res, 113:173-215, 1983). MUTAZYME™ 5% and 10% S9 Mix may be directly used in standard plate incorporation assays. 30% S9 Mix products were specifically developed for use in microtiter fluctuation tests (e.g. Moltox® FT™ tests).

Activity

MUTAZYME™ products are subjected to the same Quality Control analyses as Moltox's standard frozen and lyophilized S9. Each lot is accompanied by product data sheets, which include the results of bioassay and biochemical analyses, such as alkoxyresorufin-O-dealkylase activities, total protein content, S9 titrations vs. treatments of TA100 with B(a)P and 2-AA, TA1535 and TA98 responses to CP and EtBr.



About Us

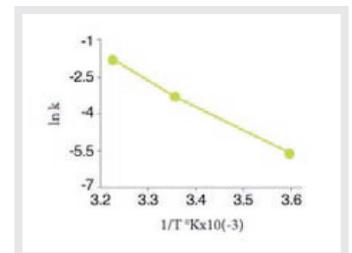
TRINOVA BIOCHEM GmbH is the European distributor of MOLTOX®, the leading manufacturer of products used in the Salmonella and E. coli WP2 mutagenicity tests / Ames tests: Minimal glucose agar plates, top agars, Salmonella and E. coli tester strains, frozen and lyophilized S9, MUTAZYME™, NADPH-regenerating systems and positive control chemicals.

MOLTOX[®]
Molecular Toxicology, Inc.

Stability

The stability of MUTAZYME™ was evaluated by conducting accelerated ageing studies at temperatures ranging between -20°C (the recommended storage temperature) and +50°C. Shelf life was estimated using an Arrhenius model (Kirkwood, T, Biometrics, 33:736-742, 1977; Anderson, G and M Scott, Clin Chem, 37:396- 402, 1991).

The results indicated that > 95% of the original activity can be expected after 1 year storage at -20°C.



Advantages

- MUTAZYME™ is complete and ready to use after reconstitution with cold sterile purified water
- No secondary reagents/solutions are required
- MUTAZYME™ can be stored in an ordinary -20°C freezer
- MUTAZYME™ is completely characterized and contains the S9 and NADPH-regenerating system recommended by Maron and Ames (Mutat res, 113:173-215, 1983)