



Genetic Toxicology Testing

# Improved AMES Assay Salmonella and E. coli Bacterial Strains

- Bacterial discs were prepared from master cultures obtained from *Dr. Bruce Ames* and the *National Collections of Industrial and Marine Bacteria Limited, Aberdeen; Scotland, UK* and lyophilized using the modified methods described by ATCC and OPS Diagnostics
- Bacteria have been fully characterized for appropriate phenotypic characteristics and response to diagnostic mutagens as required by OECD guideline 471
- Shorter and more consistent time to reach the required growth phase and appropriate testing density in nutrient broth
- Higher and more consistent viability
- Average CFU per disc will be included in each application and quality control statement
- Disc immediately disperses in culture medium to give a homogenous suspension
- Please review associated QC statements as these may contain revised incubation conditions



- ▶ For in-house phenotype confirmation, kit #31-600 can be used



For information send an E-Mail to [info@trinova.de](mailto:info@trinova.de)



**MOLTOX PRODUCTS  
DELIVERY FROM STOCK!**

Catalog No	Description		Storage	Size
<b>STDisc™ - Salmonella typhimurium strains</b>				
71-097L	STDisc TA97a	lyophilized	2-8°C	10 discs / vial
71-098L	STDisc TA98	lyophilized	2-8°C	10 discs / vial
71-100L	STDisc TA100	lyophilized	2-8°C	10 discs / vial
71-102L*	STDisc TA102*	lyophilized	2-8°C	10 discs / vial
71-1535L	STDisc TA1535	lyophilized	2-8°C	10 discs / vial
71-1537L	STDisc TA1537	lyophilized	2-8°C	10 discs / vial
71-1538L	STDisc TA1538	lyophilized	2-8°C	10 discs / vial
<b>ECDisc™ - Echerichia coli strains</b>				
72-002L	ECDisc WP2 <i>trp</i> , <i>pKM101</i>	lyophilized	2-8°C	10 discs / vial
72-003L	ECDisc WP2 <i>trp</i> , <i>uvrA pKM101</i>	lyophilized	2-8°C	10 discs / vial
72-187L	ECDisc WP2 <i>trp</i>	lyophilized	2-8°C	10 discs / vial
72-188L	ECDisc WP2 <i>trp</i> , <i>uvrA</i>	lyophilized	2-8°C	10 discs / vial
73-1535PSK*	PTM Salmonella typhimurium TA1535/pSK1002*		-80°C	1 vial

Salmonella typhimurium strains are for use in the bacterial mutagenesis assay described by *Maron and Ames, Mutation Research 113(3-4): 173-215, 1983.*

*S. typhimurium TA1535/pSK1002* - described by *Oda et al., Mutation Research 147(5):219-29, 1985* - is for use in the SOS/UMU-test as described by *Reifferscheid, G, et al., Mutation Research, 253:215-222, 1991.*

*Escherichia coli* strains (WP2 derivatives) are for use in the bacterial mutagenesis assay as described by *Green and Muriel, Mutation Research 38(1):3-32, 1976.*

Bacterial strains *S. typhimurium* and *E. coli* are lyophilized and stabilized and for use as culture inoculum.

Please note: The bacterial strains contained in STDiscs™ and ECDiscs™ are potential etiologic agents and are intended for use only by those skilled in the safe handling of potentially infectious agents.

\* according to the German "Gentechnikgesetz" TA102 and TA1535/pSK1002 have been classified as "genetically modified organism" (GMO/GVO) of risk group 1 / BSL1. Our other TA strains are classified as RSK1 in Germany (BAuA.de, TRBA 466). Please check for appropriate regulations in your country!

## 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: Minimal glucose agar plates, top agars, Salmonella and *E. coli* tester strains, frozen and lyophilized S9, MUTAZYME™, NADPH-regenerating systems and positive control chemicals. The BioReliance® Ames II™ test kit produced by MOLTOX® is distributed by TRINOVA in Europe as well.

**MOLTOX**  
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