



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>trp0</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

Please note:

In Germany, *S. typhimurium* and *E. coli* bacterial strains are classified as animal disease pathogens (epizootic pathogens) of risk group 1. **Please check for appropriate regulations in your country!**

*Salmonella typhimurium* strains (TA) are for use in the bacterial mutagenesis assay described by Maron and Ames. *Escherichia coli* strains (WP2 derivatives) are for use in the bacterial mutagenesis assay as described by Green and Muriel.

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

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.

## 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.

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