

GENETIC TOXICOLOGY 2012
Quality Products for *IN VITRO* and GENETIC TOXICOLOGY

METABOLIC ACTIVATION PRODUCTS

| <i>CATALOG NO.</i> | <i>DESCRIPTION</i> | <i>STORAGE</i> | <i>SIZE</i> |
|--------------------|---|----------------|-------------|
| 11-01L.1 | S9 SD rat liver Aroclor KCl, lyoph. | -20 °C | 1ml/vial |
| 11-01L.2 | S9 SD rat liver Aroclor KCl, lyoph. | -20 °C | 2.1ml/vial |
| 11-01L.5 | S9 SD rat liver Aroclor KCl, lyoph. | -20 °C | 5ml/vial |
| 11-101.1 | S9 SD rat liver Aroclor KCl frozen | -80 °C | 1ml/vial |
| 11-101.2 | S9 SD rat liver Aroclor KCl frozen | -80 °C | 2ml/vial |
| 11-101.5 | S9 SD rat liver Aroclor KCl frozen | -80 °C | 5ml/vial |
| 11-102.5 | S9 SD rat liver uninduced KCl frozen | -80 °C | 5ml/vial |
| 11-105.1 | S9 SD rat liver Phenobarbital/Benzoflavone KCl frozen | -80 °C | 1ml/vial |
| 11-105.2 | S9 SD rat liver PB/BNF KCl frozen | -80 °C | 2ml/vial |
| 11-105.5 | S9 SD rat liver PB/BNF KCl frozen | -80 °C | 5ml/vial |
| 11-111.2 | S9 SD rat liver Aroclor Sucrose frozen | -80 °C | 2ml/vial |
| 11-111.5 | S9 SD rat liver Aroclor Sucrose frozen | -80 °C | 5ml/vial |
| 11-115.5 | S9 SD rat liver Ethanol KCl frozen | -80 °C | 5ml/vial |
| 11-401.L3 | Mutazyme™ 30% S9 Mix, rat liver Aroclor, lyoph. | -20 °C | 3.25ml/vial |
| 11-401.L6 | Mutazyme™ 30% S9 Mix, rat liver Aroclor, lyoph. | -20 °C | 6.5ml/vial |
| 11-402L | Mutazyme™ 10% S9 Mix, rat liver Aroclor, lyoph. | -20 °C | 20ml/vial |
| 11-403L | Mutazyme™ 5% S9 Mix, rat liver Aroclor, lyoph. | -20 °C | 20ml/vial |
| 12-107.2 | S9 F344 rat liver Aroclor KCl frozen | -80 °C | 2ml/vial |
| 14-01L.2 | S9 human liver pooled, lyoph. | -20 °C | 2.1ml/vial |
| 14-103.5 | S9 human liver pooled, frozen | -80 °C | 5ml/vial |
| 14-201.1 | Microsomes human liver pooled, frozen | -80 °C | 1ml/vial |
| 15-03S.5 | S9 GS hamster Aroclor KCl for modified Ames frozen | -80 °C | 5ml/vial |
| 15-03SL.5 | S9 GS hamster Aroclor KCl for mod. Ames lyoph. | -20 °C | 5ml/vial |
| 15-104.5 | S9 GS hamster uninduced KCl frozen | -80 °C | 5ml/vial |
| 18-101.01 | Microsome SD rat liver Aroclor, frozen | -80 °C | 0.1ml/vial |
| | <i>S9 Mouse, please ask for availability!!</i> | -80 °C | |

NADPH REGENERATING SYSTEM REAGENTS

| <i>CATALOG NO.</i> | <i>DESCRIPTION</i> | <i>STORAGE</i> | <i>SIZE</i> |
|--------------------|---------------------------|----------------|-------------|
| 60-200.15 | NADPH REGENSYS "A" | 4 °C | 15ml |
| 60-200.5 | NADPH REGENSYS "A" | 4 °C | 50ml |
| 60-201.15L | NADPH REGENSYS "B" lyoph. | -20 °C | 15ml |
| 60-201.5L | NADPH REGENSYS "B" lyoph. | -20 °C | 50ml |
| 60-203.1 | Glucose-6-Phosphate | RT | 2g |

PREPARED BACTERIOLOGICAL MEDIA

| <i>CATALOG NO.</i> | <i>DESCRIPTION</i> | <i>STORAGE</i> | <i>SIZE</i> |
|--------------------|---------------------------------------|----------------|-------------|
| 21-100 | Nutrient Agar Plates Oxoid #2 | RT | 20/sleeve |
| 21-199 | EC TRI PC VBE | 4 °C | 5/sleeve |
| 21-200 | ST QUAD PC Plates | 4 °C | 5/sleeve |
| 21-201 | Ampicillin Master Plates | 4 °C | 5/sleeve |
| 21-202 | Ampicillin/Tetracycline Master Plates | 4 °C | 5/sleeve |
| 21-203 | His/Bio Master | 30 ml/plate | RT |
| 21-400.2 | Mimimal Glucose Agar Plates | 30 ml | RT |
| 21-400.5 | Mimimal Glucose Agar Plates | 30 ml | RT |
| 21-40S19 | Mimimal Glucose Agar Plates | 6 Well Plates | RT |
| 21-40S21 | Mimimal Glucose Agar Plates | 25 ml | RT |
| 21-40S46 | Plate Count Agar | 30 ml | RT |

PREPARED TOP AGARS

| <i>CATALOG NO.</i> | <i>DESCRIPTION</i> | <i>STORAGE</i> | <i>SIZE</i> |
|--------------------|---------------------------------|----------------|-------------|
| 26-501.3 | Top Agar 0,7% | RT | 300ml |
| 26-502.3 | Top Agar, L-Tryptophan | RT | 300ml |
| 26-503.1 | Top Agar, Histidine/Biotin | RT | 100ml |
| 26-503.3 | Top Agar, Histidine/Biotin | RT | 300ml |
| 26-505.3 | Nutrient Broth Oxoid #2 | RT | 300ml |
| 26-510.5 | Phosphate Buffer | RT | 500ml |
| 26-511 | Glucose-6-Phosphate, frozen | -20 °C | 2ml |
| 26-512 | MgCl ₂ /KCl Solution | RT | 20ml |

REAGENTS

| <i>CATALOG NO.</i> | <i>DESCRIPTION</i> | <i>STORAGE</i> | <i>SIZE</i> |
|--------------------|---------------------------|--------------------|-------------|
| 26-550 | 50X VBE. Non-Sterile | RT | 100ml |
| 26-550.047 | 50X VBE. Non-Sterile | RT | 500ml |
| 26-551.5 | 40% D-Glucose Sterile | RT | 500ml |
| 26-700.1 | Histidine/Biotin Solution | 0,5 mM, sterile | 4 °C |
| 26-701.1 | L-Tryptophan/D-Solution | 0,5 mM, sterile | 4 °C |
| 26-702 | Biotin Solution | 0,5mM, sterile | 4 °C |
| 26-804 | Ampicillin Solution | 8 mg/ml, sterile | 4 °C |
| 26-805 | Tetracycline Solution | 0.8 mg/ml, sterile | 4 °C |
| 26-809 | Crystal Violet Discs | RT | 10/vial |

CONTROLCHEM™ PRODUCTS

| CATALOG NO. | DESCRIPTION | STORAGE | SIZE |
|-------------|--------------------------------------|---------|--------|
| 60-100 | CC Mitomycin C 5µg/vial | 4 °C | 5/pack |
| 60-101 | CC ICR191, 10µg/vial | 4 °C | 5/pack |
| 60-102 | CC Daunomycin, 60µg/vial | 4 °C | 5/pack |
| 60-103 | CC Sodium Azide, 15µg/vial | 4 °C | 5/pack |
| 60-104 | CC 2-Aminofluorene, 100µg/vial | 4 °C | 5/pack |
| 60-107 | CC 2-Aminoanthracene, 100µg/vial | 4 °C | 5/pack |
| 60-108 | CC Methylmethanesulfonate, 25µl/vial | 4 °C | 5/pack |
| 60-109 | CC Danthron, 500µg/vial | 4 °C | 5/pack |
| 60-111 | CC 2-Nitrofluorene, 20µg/vial | 4 °C | 5/pack |
| 60-113 | CC Cyclophosphamide, 1mg/vial | 4 °C | 5/pack |
| 60-114 | CC Benzo(a)Pyrene, 200µg/vial | 4 °C | 5/pack |
| 60-115 | CC EMS, 20mg/vial | 4 °C | 5/pack |
| 60-118 | CC Cytochalasin-B, 150µl /vial | -20 °C | 5/pack |
| 60-121.1 | CC 4-NQO, 50µg/vial | 4 °C | 5/pack |
| 60-122 | CC Danthron, 500µg/vial | 4 °C | 5/pack |
| 60-147 | CC 9-Aminoacridine HCL, 1mg/vial | 4 °C | 5/pack |

BACTERIAL STRAINS

| CATALOG NO. | DESCRIPTION | STORAGE | SIZE |
|---|--|---------|---------|
| <i>Strains are for use as culture inoculum.</i> | | | |
| 71-097L | STDisc TA97a, lyoph. | 4 °C | 10 each |
| 71-098L | STDisc TA98, lyoph. | 4 °C | 10 each |
| 71-100L | STDisc TA100, lyoph. | 4 °C | 10 each |
| 71-102L | STDisc TA102, lyoph.** | 4 °C | 10 each |
| 71-1535L | STDisc TA1535, lyoph. | 4 °C | 10 each |
| 71-1537L | STDisc TA1537, lyoph. | 4 °C | 10 each |
| 71-1538L | STDisc TA1538, lyoph. | 4 °C | 10 each |
| 72-002L | ECDisc WP2 <i>trp</i> , <i>pKM101</i> , lyoph. | 4 °C | 10 each |
| 72-003L | ECDisc WP2 <i>trp uvvA pKM101</i> , lyoph. | 4 °C | 10 each |
| 72-187L | ECDisc WP2 <i>trp</i> , lyoph. | 4 °C | 10 each |
| 72-188L | ECDisc WP2 <i>trp uvvA</i> , lyoph. | 4 °C | 10 each |
| 73-1535psK | PTM™ <i>Salmonella typhimurium</i> TA1535psK1002** | -80 °C | vial |

Salmonella typhimurium strains for use in the bacterial mutagenesis assay described by Maron, D. and Ames., B., Mutation Research, 113:173-215, 1983. *Escherichia coli* strains (WP2 derivatives) for use in the bacterial mutagenesis assay described by Green, M.H.L. and Muriel, W.J., Mutation Research, 38:3-32, 1976.

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 has been classified as "genetically diversified organism" (GVO) of risk group 1. Storage 2-8 °C. BSL1.

- Please check for appropriate regulations in your country.
- For use as culture inoculum.

Bacterial strains *S. Typhimurium* and *E. coli* are lyophilized and stabilized.

Ames Plate Incorporation Assay Kits

| CATALOG NO. | DESCRIPTION | SIZE |
|-------------|--|--------------|
| 31-100.2 | <p>Salmonella Mutagenicity Complete Test Kit</p> <ul style="list-style-type: none"> ✓ STDisc™ TA97a, TA98, TA100 & TA102** (10 discs per strain/vial) ✓ Lyophilized S9, 2 vials/2,1 ml, Aroclor induced ✓ NADPH REGENSYS™ (Regensys A 50ml & Regensys B 50ml) ✓ ControlChem™ Mitomycin C, ICR191, Daunomycin, Sodium Azide & 2-Aminoanthracene ✓ Nutrient Broth, Histidine/Biotin Top Agar, ST Quad PC™ plates ✓ Minimal Glucose Agar Plates (160 dishes), Nutrient Agar plates (20 dishes) ✓ Application and Instruction Manual <p>Includes the materials needed to perform the Ames Mutagenicity Plate Incorporation assay</p> | 1 sample kit |
| 31-101 | <p>E. coli Mutagenicity Test Kit</p> <ul style="list-style-type: none"> ✓ ECDisc™ WP2trp and WP2 trp uvrA (10 discs per strain/vial) ✓ Lyophilized S9 ✓ NADPH REGENSYS™ (Regensys A 15ml & Regensys B 15ml) ✓ ControlChem™ Methyl methanesulfonate & 2-Aminoanthracene ✓ Nutrient Broth, Tryptophan Top Agar, EC TriPC™ plates ✓ Minimal Glucose Agar Plates (80 dishes), Nutrient Agar plates (20 plates) ✓ Application and Instruction Manual <p>Similar to the Salmonella Mutagenicity Complete Test Kit but with <i>E. coli</i> WP2 strains (trp, trp uvrA)</p> | 1 sample kit |

Microtiter Mutagenicity Fluctuation Assay Kits

| | | |
|--------|---|--------------|
| 31-300 | <p>Moltox FT™ TA98 & TA100 Mutagenicity Assay Kit</p> <ul style="list-style-type: none"> ✓ STDisc™ TA98 & TA100 (2 discs per strain/vial) ✓ FT™ Growth Media, FT™ Exposure Media, FT™ Reversion Indicator Media ✓ MUTAZYME™ Moltox FT™ 30% S9 Mix, 3,25 ml, lyophilized rat liver, Aroclor induced ✓ Positive Controls: 2-Aminoanthracene, 4-Nitroquinoline-N-oxide, 2-Nitrofluorene ✓ User Instructions <p>Reagents provided are sufficient to perform 3 test materials with no replicates or 1 sample in triplicate, +/- S9 at various concentrations (≤ 6), positive controls and solvent (negative control).</p> | 1 sample kit |
| 31-301 | <p>Moltox FT™ "471" Mutagenicity Assay Kit</p> <ul style="list-style-type: none"> ✓ STDisc™ TA98, TA100, TA1535, TA1537, (2 x 2 discs/vial each) ✓ EC WP2 (trp, uvrA, pKM101), <i>E. coli</i> WP2 pKM101 (2 x 2 discs/vial each) ✓ FT™ Growth Media, FT™ Exposure Media, FT™ Reversion Indicator Media (2x 500 ml) ✓ Mutazyme™ 30% S9 Mix, 6.5 ml, lyophilized rat liver, Aroclor induced ✓ Positive Controls: 2-Aminoanthracene, 4-Nitroquinoline-N-oxide, N⁴-aminocytidine, 2-Nitrofluorene, 9-Aminoacridine-hydrochloride <p>Reagents provided are sufficient to analyze 1 sample in triplicate with all 6 strains in the presence and absence of S9 at various concentrations (≤ 6), positive controls and solvent (negative control).</p> | 1 sample kit |

Individual components for Mutagenicity Assays

| CATALOG NO. | DESCRIPTION | STORAGE | SIZE |
|-------------|---|---------|--------------|
| 11-401.3L | 30% Mutazyme™ S9 Mix for Molttox FT™ Kits | -20 °C | 3.25 ml |
| 11-401.6L | 30% Mutazyme™ S9 Mix for Molttox FT™ Kits | -20 °C | 6.5 ml |
| 22-147 | Ampicillin | 4 °C | 50mg |
| 26-710.05 | FT™ Exposure Media | RT | 50 ml |
| 26-710.1 | FT™ Exposure Media | RT | 100 ml |
| 26-710.25 | FT™ Exposure Media | RT | 250 ml |
| 26-711.3 | FT™ Reversion Indicator Media | RT | 300 ml |
| 26-711.5 | FT™ Reversion Indicator Media | RT | 500 ml |
| 26-712.05 | FT™ Growth Media | RT | 50 ml |
| 26-712.1 | FT™ Growth Media | RT | 100 ml |
| 26-712.25 | FT™ Growth Media | RT | 250 ml |
| 26-714.1 | TGA-Culture Medium | RT | 100 ml |
| 26-715 | 10x TGA-Culture Medium | RT | 10 ml |
| 26-716 | B-buffer | RT | 35ml |
| 26-718 | Stop Reagent | RT | 30ml |
| 22-148L | ONPG | -20 °C | 4.95 mg |
| 22-149 | 2-Mercaptoethanol | RT | 100µl |
| 60-157 | 2-Aminoanthracene | 4 °C | 100 µg/vial |
| 60-157.2 | 2-Aminoanthracene | 4 °C | 2 mg/vial |
| 60-158 | 9-Aminoacridine hydrochloride | 4 °C | 500 µg/vial |
| 60-159 | 4-Nitroquinoline-N-oxide | 4 °C | 50 µg/vial |
| 60-160 | N ⁴ -aminocytidine | 4 °C | 2.5 mg/vial |
| 60-161 | 2-Nitrofluorene | 4 °C | 50 µg/vial |
| 60-163 | 4-Nitroquinoline-N-oxide | 4 °C | 12.5 µg |
| 60-164 | 2-Aminoanthracene | 4 °C | 50 µg |
| 71-098.2L | TA098 discs | 4 °C | 2 Discs/vial |
| 71-100.2L | TA100 discs | 4 °C | 2 Discs/vial |
| 71-1535.2L | TA1535 discs | 4 °C | 2 Discs/vial |
| 71-1537.2L | TA1537 discs | 4 °C | 2 Discs/vial |
| 72-002.2L | E. coli WP2 pKM101 | 4 °C | 2 Discs/vial |
| 72-003.2L | EC WP2 (trp, uvrA, pKM101) discs | 4 °C | 2 Discs/vial |
| 73-1535psK | PTM™ Salmonella typhimurium TA1535psK1002** | -80 °C | vial |

**• according to the German "Gentechnikgesetz" TA1535psK has been classified as "genetically diversified organism" (GVO) of risk group 1. Please check for appropriate regulations in your country.

Salmonella strain for use in the SOS/umu-test described by Oda, Y., S. Nakamura, J. Oki and T. Kato, Mutation Research, 147:219-119, 1985. Offered in proprietary transport medium (PTM™).

AMES II™ INDIVIDUAL COMPONENTS

AMES II™ is a Brand of BioReliance. Components are produced by Molttox.

| CATALOG NO. | DESCRIPTION | STORAGE | SIZE |
|-------------|--|---------|--------------|
| 32-71098 | TA98 discs | 4 °C | 2 Discs/vial |
| 32-71001 | TAMix discs | 4 °C | 2 Discs/vial |
| 32-26003 | Growth Media | RT | 100 ml |
| 32-26001 | Exposure Media | 4 °C | 100 ml |
| 32-26005 | Indicator Media | 4 °C | 300 ml |
| 32-26007 | Ampicillin, frozen | -20 °C | 50 mg |
| 32-60111 | 2-Nitrofluorene | 4 °C | 100 µg |
| 32-60127 | 4-Nitroquinoline-N-oxide | 4 °C | 50 µg |
| 32-60107 | 2-Aminoanthracene | 4 °C | 125 µg |
| 11-401.3L | 30% Mutazyme™ S9 Mix for AMES II™ Kits | -20 °C | 3.25 ml |

Please ask for customized high throughput screening materials!

Bacterial strains *S. Typhimurium* are lyophilized and stabilized.
For use as culture inoculum.
Storage 2-8 °C.

More about Molttox

The above list is representative of the products we have on stock in Europe. For more MolTox products please visit www.molttox.com. The products are used by researchers and industrial microbiologists in the fields of Genetic and *in vitro* toxicology and additional metabolic studies. Molttox welcomes the opportunity to provide you with custom formulations of S9, prepared bacteriological media and top agars. Preparation of these items in house can be costly and time consuming. Our labs provide a lower cost, on time solution.

In addition, each of our products are accompanied by GLP-compliant Production & Formulation and Quality Assurance Certificates. Your assurance of Quality and Performance.

Shipping

All international dry ice and blue ice shipments will be made Monday through Wednesday. Domestic dry ice and blue ice shipments will be made Monday through Wednesday within 1-2 days. All other items may be shipped Monday through Thursday. Transportation of frozen shipments (Frozen S9) within Europe are to be done by TNT unless otherwise requested. Packing charges (incl. dry ice and the fees for the dangerous good dry ice) apply to dry and blue ice shipments. Cost of cold shipments (lyophilized S9, NADPH, strains, media, controls, etc) are dependant on weight and volume. Please contact our office for details. Room temperature shipments may be shipped within 2-4 days.