

A DIVISION OF THE SYNOPTICS GROUP

## ProtoCOL 3 Ames Study Manager - Quick Guide

The Ames module has two levels of functionality. The *Simple Ames* module allows the user to measure plates with the same name and find the difference in colony numbers to assess the level of mutagenicity. The *Ames Study Manager* is a more in-depth report focused module that allows the user to input all the relevant experimental information before calculating the ratio of revertant colonies on test sample and solvent control plates.



6	Ames no metabolio Titles Study # Case # Temperature	E activation Entries 123 456 37	Ames with metabol Titles Ames heading 1 Ames heading 2 Ames heading 3	c activation Entries	T ➡ a ti	This space allows you to fill in dditional information relevant o your study They can be filled in or left blank
7	Plate         Strain         San           1         -         S. typhimurium TA102         Pos           2         -         S. typhimurium TA102         Pos           3         -         S. typhimurium TA102         Pos           3         -         S. typhimurium TA102         Pos           5         -         S. typhimurium TA102         Soh           6         -         S. typhimurium TA102         Soh           7         -         S. typhimurium TA102         Unfit           8         S. typhimurium TA102         Unfit           9         S. typhimurium TA102         Unfit           10         -         S. typhimurium TA102         Test           11         -         S. typhimurium TA102         Test           12         -         S. typhimurium TA102         Test           13         -         S. typhimurium TA102         Test           14         -         S. typhimurium TA102         Test           15         -         S. typhimurium TA102         Test           16         -         S. typhimurium TA102         Test	Sample           sodium azidi           titve Control         - Sodium azidi           titve Control         - Sodium azidi           entit Control         - Sodium azidi           entit Control         - Sodium azidi           entit Control         - Water           entit Control         - Water           entit Control         - Water           entit Control         - Untreaded Cr           readed Control         - Untreaded Cr           readed Control         - Untreaded Cr           t Product         - Chemical X           Product <t>- Chemical X           Product         - Chemical X</t>	Dose     Repica     Metabolic Activation       5     Replica1     Image: Constraint of the second second second seco	Plate           Count           220           236           228           238           18           218           218           233           228           234           228           234           228           234           228           233	L tr c fr	Jse the drop-down menus o fill in information about he study. These templates an be saved for use in the uture
8		Finis	sh	•	➡ C A	lick <b>Finish</b> to generate the mes Study report
9	A         B           1         Dec/ Plate Report           2         Batch Name:         Anes Textin           3         Report oreated by:         shauna           4         ProtoCOL version:         1.210.32           5         Batch Sensitivity         95.3           6         Batch Rejoct Small Particl         9           7         Batch Sensitivity         95.3           9         Batch Maximum Colony SOff         10           10         Colony Name         A           12         Lames heading 1         1           13         Ames heading 2         1           14         Ames heading 3         1           15         Sphilmurium TA102         Softum and           16         St typhilmurium TA102         Ordem X           17         Strain         Sangle           18         S. typhilmurium TA102         Ordem X           19         S. typhilmurium TA102         Ordem X           21         S. typhilmurium TA102         Ordem X           23         S. typhilmurium TA102         Ordem X           24         Holina Sangle         Untreated C	View b	E         F         G           Replica 2         Replica 3         Mean           28         18         361.333333333           28         28         23           24         28         22           24         28         22           24         28         22           24         28         22           256         28         28           256         28         28	H Standard Deviation 3 101-13416036486 3 93-209041532063 5.3541261247694 7 4.109053331265 0 6.53197264742181	1 Ratio Treated/Join 1.3 1.3110112155900 1.3094737709231 1.3094707709231	Review and/or save the batch report

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