

Ames MPF™, MacroAmes1, MicroAmes6

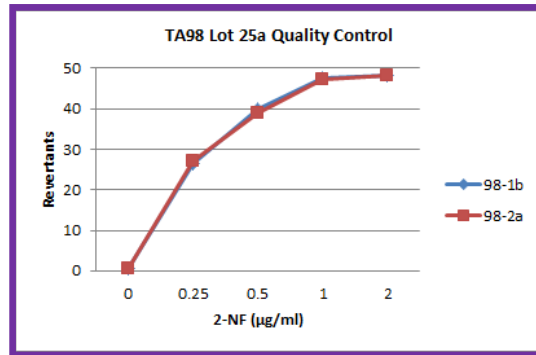
Comparison with home made Ames Test in Petri Dishes



Benefit of a Kit

- All quality control experiments run by Xenometrix
- Standardized, ready to use kit
- Technical support

QC of the bacterial strains' lots



S9 Certificate of Analysis

XENOMETRIX
Swiss Commitment for Bioassays

Certificate of Analysis

Product Information

Product	Phenobarbital/ β -naphthoflavone induced S9 Postmitochondrial Supernatant, lyophilized
Abbreviation	Rat liver S9
Article Number	PRS-PB01 / PRS-PB02
Quantity	1 mL / 2 mL
Lot	FB1545 / FB1546 (2 different fillings with same Production)
Expiry Date	12.03.2026
Storage	-20°C or -80°C
Tissue/Lyophilization Buffer	Liver / 0.05 M Tris HCl pH 7.4
Protein Concentration	30.2 mg/mL ¹
Country of Origin	Switzerland
Manufacturer	Xenometrix AG, CH-Allschwil
HS Code	3822.1900

Quality Control Results

Ames MPF Positive Controls' Dose Responses² Average Number of Revertants / 48 wells

In presence of 30% S9 in the preparation of S9mix – Miniaturized liquid microplate fluctuation test

Strain	2-Aminoanthracene concentration (PPC-AA01, µg/mL)					Acceptance
	0	0.25	0.5	1.0	2.0	
TA98	3.0	47.7	48.0	48.0	48.0	Passed

Strain	2-Aminoanthracene concentration (PPC-AA01, µg/mL)					Acceptance
	0	0.625	1.25	2.5	5.0	
TA100 ³	4.5	48.0	48.0	48.0	48.0	Passed
TA1535	0.3	39.0	43.3	44.3	44.3	Passed
TA1537 ³	1.0	14.7	24.7	31.7	31.0	Passed
TAMix	0.8	29.3	44.3	47.3	47.7	Passed

Strain	2-Aminofluorene concentration (PPC-AF10, µg/mL)					Acceptance
	0	50	100	200	400	
EC Combo	6.0	20.7	24.3	24.7	27.0	Passed
E. coli WP2 uvrA[pKM101]	4.0	22.3	22.7	27.7	33.3	Passed

Strain	Benzo[a]pyrene concentration (µg/mL)				Acceptance	
	0	1.25	2.5	5.0		
TA98	1.0	11.7	12.0	20.3	28.3	Passed

Sterility⁴ Passed

MacroAmes1 Positive Controls' Dose Responses⁵ Average Number of Revertants / Plate

In presence of 10% S9 in the preparation of S9mix - Ames Test in Petri Dishes TG471

Strain	2-Aminoanthracene concentration (µg/plate)			Acceptance	
	0	1.25	2.50		
TA98	20.0	528	340	1628	Passed

Strain	2-Aminoanthracene concentration (µg/plate)			Acceptance	
	0	1.563	3.125		
TA1535	10.0	240.0	416.0	272.0	Passed

Document-No.	REC-82-01_X	Certificate of Analysis	Created by	Cecile Koelbert
Version-No.	5.0		Created on	15.08.2023
CoA_P85-P80_FB1542_FB1546.docx		Record	Page 1 of 2	

Xenometrix AG – Allschwil – Switzerland

Historical Data Xenometrix (mean of triplicates over 1 year)

	TA98	TA100	TA1535	TA1537	E.coli Combo
Without S9:					
Solvent control	0-5	1-9	0-6	0-3	1-11
2-NF (2.0 µg/ml)	40-48				
4-NQO (0.1 µg/ml)		40-48			
N4-ACT (100 µg/ml)			40-48		
9-AAc (15 µg/ml)				40-48	
4-NQO (2 µg/ml)					30-44
With S9 (Aroclor 1254-induced):					
Solvent control	0-6	0-6	0-4	0-2	1-7
2-AA (1.25 µg/ml)		40-48	24-31*	8-26*	
2-AA (1-2 µg/ml)	40-48				
2-AA (2.5 µg/ml)		40-48*	20-42*	20-42*	
2-AA (5 µg/ml)		33-48*	20-42*	20-42*	
2-AA (50 µg/ml)					15-36
2-AA (400 µg/ml)	-	-	-	-	35-45

*lower values can be obtained with certain S9 lots due to toxic effect

database of the controls' results

