

**MUTAGENICITY: COMPARISON OF TEST RESULTS AND PREDICTIONS**

Chem. No.	MPD result in vitro	MPD result in vivo	SAR	Agreement?
4	nd	nd	0	?
6	Sal -ve	mnuc -ve	0	Yes
16	Sal -ve. MCGM +ve	nd	0	No SAR low
17	Sal +ve MCGM -ve	nd	0	No SAR low
21	Sal -ve	mnuc -ve	0	Yes
23	Sal -ve	mnuc -ve	0	Yes
24	Sal -ve	mnuc -ve	0	Yes
26	Sal -ve	mnuc -ve	0	Yes
37	Sal -ve	mnuc -ve	L-M	No EC low
44	Sal -ve	mnuc -ve	0	Yes
47	Sal -ve	mnuc -ve	0	Yes
49	Sal -ve MCGM -ve	nd	0	Yes
50	Sal -ve IVC -ve	nd	0	Yes

<b>Chem. No.</b>	<b>MPD result in vitro</b>	<b>MPD result in vivo</b>	<b>SAR</b>	<b>Agreement?</b>
53	Sal -ve	mnuc -ve	0	Yes
54	Sal weak +ve MCGM -ve	SCE -ve NA -ve	equivocal	Yes
61	Sal -ve IVC -ve	nd	0	Yes
68	Sal -ve IVC -ve	nd	0	Yes
69	Sal -ve E Coli -ve	mnuc -ve	0	Yes
70	Sal -ve	mnuc -ve	0	Yes
76	Sal -ve UDS -ve	mnuc -ve	0	Yes
78	Sal -ve	mnuc -ve	0	Yes
79	Sal -ve E Coli -ve	mnuc -ve	0	Yes
87	Sal -ve IVC -ve	nd	0	Yes
96	Sal -ve E Coli -ve	mnuc -ve	L-M	No EC low
99	Sal -ve IVC -ve	mnuc -ve	0	Yes
101	Sal -ve	mnuc -ve	L-M	No EC low

Chem. No.	MPD result in vitro	MPD result in vivo	SAR	Agreement?
102	Sal -ve	mnuc -ve	L-M	No EC low
106	Sal -ve E Coli -ve	mnuc -ve	0	Yes
107	nd	nd	0	?
108	Sal -ve	mnuc -ve	0	Yes
110	Sal -ve MCGM -ve IVC -ve	mnuc -ve	0	Yes
113	Sal -ve	mnuc -ve	0	Yes
118	Sal -ve	NA -ve mnuc -ve	0	Yes
124	Sal -ve	mnuc -ve	0	Yes
128	Sal -ve	CA -ve	0	Yes
133	Sal -ve	mnuc -ve	0	Yes
144	Sal -ve MCGM -ve IVC -ve	nd	0	Yes
148	Sal -ve	mnuc -ve	0	Yes
151	Sal -ve MCGM -ve IVC -ve	nd	0	Yes

<b>Chem. No.</b>	<b>MPD result in vitro</b>	<b>MPD result in vivo</b>	<b>SAR</b>	<b>Agreement?</b>
155	Sal -ve	mnuc -ve	0	Yes
156	Sal -ve	mnuc -ve	0	Yes
164	Sal -ve SCE -ve	mnuc -ve	0	Yes
170	Sal +ve	mnuc -ve	0	No SAR low
173	Sal -ve	mnuc -ve	0	Yes
176	Sal -ve	mnuc -ve	0	Yes
182	Sal -ve MCGM -ve	mnuc -ve	0	Yes
186	Sal -ve	mnuc -ve	0	Yes
192	Sal -ve E Coli -ve	mnuc -ve	0	Yes
194	nd	nd	0	Yes
196	Sal -ve IVC weak +ve	mnuc -ve	L-M	Yes
197	Sal weak +ve E Coli -ve IVC -ve	nd	L-M	Yes
200	Sal -ve IVC -ve	nd	0	Yes

<b>Chem. No.</b>	<b>MPD result in vitro</b>	<b>MPD result in vivo</b>	<b>SAR</b>	<b>Agreement?</b>
204	Sal -ve	mnuc -ve	0	Yes
214	Sal -ve	mnuc -ve	0	Yes
216	Sal weak +ve MCGM -ve IVC -ve	NA -ve mnuc -ve	0	No SAR low
217	Sal -ve	mnuc -ve	0	Yes
218	Sal -ve E Coli -ve IVC -ve	nd	0	Yes
219	Sal +ve MCGM -ve	mnuc -ve	L-M	Yes
222	Sal -ve	mnuc -ve	L-M	No EC low
224	Sal -ve	mnuc -ve	L-M	No EC low
235	Sal -ve	mnuc -ve	0	Yes
237	Sal -ve IVC -ve	nd	0	Yes
239	Sal -ve IVC -ve	nd	0	Yes
240	Sal -ve	mnuc -ve	0	Yes
241	Sal -ve IVC -ve	nd	0	Yes

Chem. No.	MPD result in vitro	MPD result in vivo	SAR	Agreement?
242	Sal -ve IVC -ve	nd	0	Yes
253	Sal -ve	mnuc -ve	0	Yes
256	Sal -ve	mnuc -ve	0	Yes
263	Sal +ve IVC -ve	mnuc -ve	L-M	Yes
265	Sal -ve IVC -ve	nd	0	Yes
267	nd	nd	0	Yes
268	Sal -ve	mnuc -ve	0	Yes
269	Sal weak +ve MCGM -ve IVC -ve	mnuc -ve	L-M	Yes
270	Sal -ve	mnuc -ve	0	Yes
271	Sal -ve IVC -ve	nd	0	Yes
275	Sal +ve IVC -ve	mnuc -ve	L-M	Yes
278	Sal -ve SCE weak +ve ?	mnuc -ve	0	Yes
281	Sal -ve	mnuc -ve	L	Yes

Chem. No.	MPD result in vitro	MPD result in vivo	SAR	Agreement?
283/ 429	Sal -ve	mnuc-ve	0	Yes
286	Sal -ve	mnuc -ve	0	Yes
287	Sal -ve	mnuc -ve	0	Yes
289	Sal +ve IVC -ve	mnuc -ve	L-M	Yes
291	Sal -ve	mnuc -ve	L	Yes
292	Sal -ve IVC -ve	nd	0	Yes
300	Sal -ve	mnuc -ve	0	Yes
307	Sal +ve E Coli -ve	mnuc -ve	L-M	Yes
309	Sal -ve	mnuc -ve	0	Yes
312	Sal +ve MCGM -ve	mnuc -ve	L -M	Yes
318	Sal -ve	mnuc -ve	0	Yes
320	Sal -ve	mnuc -ve	0	Yes
321	Sal -ve	mnuc -ve	M	No EC low

Chem. No.	MPD result in vitro	MPD result in vivo	SAR	Agreement?
330	Sal -ve	mnuc -ve	L-M	No
335	Sal +ve MCGM -ve	mnuc -ve	L-M	Yes
336	Sal -ve	mnuc -ve	0	Yes
337	Sal -ve MCGM -ve IVC -ve	nd	L-M	No EC low
340	Sal -ve IVC +ve	mnuc -ve	0	No SAR low
341	Sal -ve	mnuc -ve	0	Yes
342	Sal -ve IVC -ve	mnuc -ve	0	Yes
344	Sal -ve	mnuc -ve	0	Yes
348	Sal -ve	mnuc -ve	0	Yes
349	Sal -ve	mnuc -ve	0	Yes
354	Sal -ve IVC -ve SCE -ve	mnuc -ve	0	Yes
355	Sal -ve	mnuc -ve	0	Yes
360	Sal -ve IVC -ve	nd	0	Yes

Chem. No.	MPD result in vitro	MPD result in vivo	SAR	Agreement?
361	Sal -ve. IVC -ve	nd	0	Yes
362	Sal weak +ve	mnuc -ve	L-M	Yes
364	Sal -ve IVC +ve	mnuc -ve	0	No SAR low
366	Sal -ve E Coli -ve	mnuc -ve	0	Yes
368	Sal -ve IVC -ve	nd	0	Yes
369	Sal -ve IVC +ve (art)	mnuc -ve	0	Yes
370	Sal -ve	mnuc -ve	0	Yes
373	Sal -ve	mnuc -ve	0	Yes
376	Sal -ve. IVC -ve	nd	0	Yes
379	Sal -ve IVC -ve	nd	L-M	No EC low
381	Sal -ve	mnuc -ve	0	Yes
383	Sal -ve	mnuc -ve	0	Yes
386	Sal -ve E Coli -ve IVC -ve	mnuc -ve	0	Yes

Chem. No.	MPD result in vitro	MPD result in vivo	SAR	Agreement?
393	Sal -ve	CA -ve	0	Yes
394	Sal -ve IVC -ve	nd	0	Yes
396	Sal -ve	mnuc -ve	0	Yes
398	Sal -ve	mnuc -ve	0	Yes
401	Sal -ve IVC v.weak +ve	nd	0	Yes
406	Sal -ve IVC -ve	nd	L-M	No EC low
411	Sal -ve Prival -ve	mnuc -ve	0	Yes
413	Sal -ve	mnuc -ve	0	Yes
414	Sal -ve	mnuc -ve	0	Yes
415	Sal -ve	mnuc -ve	0	Yes
416	Sal -ve	mnuc -ve	0	Yes
417	Sal -ve	mnuc -ve	0	Yes
420	Sal -ve E Coli -ve IVC -ve	nd	0	Yes

Chem. No.	MPD result in vitro	MPD result in vivo	SAR	Agreement?
421	Sal -ve	mnuc -ve	0	Yes
425	Sal -ve IVC -ve	nd	0	Yes
431	Sal -ve IVC -ve	nd	0	Yes
436	Sal -ve	CA -ve	0	Yes
437	Sal -ve IVC -ve	mnuc -ve	0	Yes
439	Sal -ve IVC -ve	nd	0	Yes
441	Sal -ve E Coli -ve IVC -ve	nd	L-M	No EC low
442	Sal -ve IVC +ve	nd	L-M	Yes
443	Sal -ve	mnuc -ve	0	Yes
444	Sal -ve	mnuc -ve	L-M	No EC low
445	nd	nd	0	Yes
446	Sal -ve E. Coli -ve	mnuc -ve	0	Yes
451	Sal -ve E Coli -ve IVC -ve	mnuc -ve	0	Yes
472	Sal -ve	mnuc -ve	0	Yes

**Abbreviations:**

- Sal = Salmonella (Ames) gene mutation test**
- mnuc = micronucleus test**
- MCGM = any mammalian cell gene mutation test**
- IVC = in vitro chromosome aberration test**
- SCE = sister chromatid exchange test**
- UDS = unscheduled DNA synthesis test**
- NA = nuclear anomaly test**
- CA = chromosome aberration test**
- E coli = E coli gene mutation test**
- art = artefact**
- nd = not done**
- 0 or L = SAR prediction of low concern**
- L-M = SAR prediction of low to moderate concern**
- M = SAR prediction of moderate concern**
- +ve = positive**
- ve = negative**