

LLNA EC3 validation submission

Table 2 Human experimental v LLNA EC3 thresholds

Substance	Human threshold ($\mu\text{g}/\text{cm}^2$)	Murine threshold ($\mu\text{g}/\text{cm}^2$)
MCI/MI	1.25	2.25
Dinitrochlorobenzene	5.5	14
Phenylenediamine	10	22.5
Beryllium sulfate	11	8.6
Phenylacetaldehyde	12	750
Methylisothiazolinone	12.5	475
Tetrachlorosalicylanilide	14.4	7.8
Methyl-2-nonynoate	24	625
Methyloctine carbonate	24	625
trans-2-Hexenal	24	1012
Formaldehyde	37	162.5
Benzoisothiazolione	45	575
Gold chloride	65	78
Penicillin	76	5606
Streptomycin	82	6750
Glutaraldehyde	100	22.5
Potassium dichromate	111	116
Nickel sulfate	154	140
Isoeugenol	250	325
Cobalt sulfate	313	50
Glyoxal	345	150
Diethylenetriamine	411	463
Methylanisylidene acetone	412	2123
Butylglycidylether	437	7725
Cinnamic aldehyde	591	775
Thioglycerol	661	878
Phenylpropionaldehyde	692	1575
Oakmoss	700	970
Ethylenediamine	732	550
Dihydrocoumarin	769	1402
Citral	775	3300
Benzoyl peroxide	895	41
Mercury bichloride	924	98
Chlorpromazine	1150	463
Benzylidene Acetone	1200	925
Methylhydrocinnamal	1379	5500
Diethylmaleate	1600	1450
Ethyl acrylate	1600	7175
Kanamycin	1874	2075
Imidazolidnyl urea	2000	5975

Pentachlorophenol	2155	5000
Mercaptobenzothiazole	2269	1214
Aniline	2463	6658
Farnesol	2755	1200
Hydroxycitronellal	2953	8250
Anisyl alcohol	3448	1475
Methylhexanedione	3448	6500
Acetyl isovaleryl	3541	6450
Geraniol	3875	6475
Lylal HMPCC	4000	4275
Tetramethylthiuramdisulphide	4610	785
Benzyl cinnamate	4720	4600
Cinnamic alcohol	4724	5150
Cyclamen aldehyde	4724	5575
Eugenol	5905	3225
Phenyl benzoate	9448	4900
Linalool	13793	7500
Neomycin sulfate	15625	1500
Benzylbenzoate	20690	4250
Alpha Amyl cinnamic alcohol	23622	2650
Amylcinnamic aldehyde	23622	2750
Hexylcinnamic aldehyde	23622	2750
Benzocaine	29167	3338
Lilial	29525	4675
Pyridine	41051	17975
isoMethylionone	70866	5450