TABLE 63

CONTENT OF INDIVIDUAL AMINO ACIDS[1] (66)

Amino acid	Normal skin	Benzene alone	Benzene + MCA[2]	Skin carcinoma
Lysine	5.15	5.08	6.29	8.18
Isoleucine	2.65	2.58	3.26	3.83
Leucine	4.17	4.19	4.69	5.28
Methionine	0.91	0.74	1.09	1.20
Valine	2.84	3.05	3.23	3.86
Phenylalanine	1.46	1.39	1.95	1.89
Threonine	2.43	2.26	2.62	3.17
Histidine	3.33	3.24	3.57	3.40
Glutamic acid	7.90	7.86	8.65	7.72
Cystine	1.51	2.38	2.06	1.42
Arginine	11.50	13.79	13.53	11.34
Tryptophan	0.98	1.71	1.10	1.60

[1] In terms of milligrams N per 100 mg. total N.
[2] MCA = 20-methylcholanthrene.

TABLE 64

GLYCOLYTIC BEHAVIOR OF HOMOLOGOUS RABBIT TISSUE (69)

Tissue	$Q_A^{N_2}$[1]	$Q_A^{O_2}$[2]	*R.Q.*	Qo_2
Normal skin	1.5[3]	1.4	0.89	1.0
Benign Shope virus papilloma	6.9	2.8	0.84	3.0
Transplanted V-2 carcinoma derived from papilloma	10.2	4.6	0.67	3.2
Transplanted Brown-Pearce carcinoma	11.8	—	—	—

[1] Anaerobic glycolysis.
[2] Aerobic glycolysis.
[3] On the basis of epidermal cells this value would approach that of the papilloma

TABLE 65

METABOLISM OF HUMAN ENDOMETRIUM (70)

State of tissue	Qo_2	$Q_A^{O_2}$	$Q_A^{N_2}$
Proliferative phase	16.9	1.4	9.7
Secretory phase	16.3	1.0	8.5
Decidua	16.4	0.8	14.2
Hyperplasia	16.5	1.1	11.2
Adenomyosis[1]	16.5	1.2	10.6
Carcinoma	13.3	10.0	14.2

[1] Benign lesion, between normal and malignant growth states.