

## 'Wellcome' Insulin :

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*For the Medical Profession only*

TRADE MARK 'WELLCOME' BRAND  
INSULIN

'WELLCOME' BRAND INSULIN is made  
with Crystalline Insulin

THIS means that for the 'Wellcome' Brand product a standard of purity has been set which can only be met by the employment of Crystalline Insulin of 100 per cent. purity.

'WELLCOME' BRAND INSULIN is the first commercial product prepared with pure Crystalline Insulin.

Every batch of 'WELLCOME' BRAND INSULIN is biologically standardised at The Wellcome Physiological Research Laboratories. The method employed is approved by the British Medical Research Council, to which body a sample of each batch is submitted. No batch is issued until the Council's certificate of approval is obtained.

'WELLCOME' BRAND INSULIN conforms to the Therapeutic Substances Act (Great Britain), 1925 (1931 Regulations). It is free from all extraneous protein matter. 'Wellcome' Insulin contains the minute amount of antiseptic considered by leading bacteriologists to be essential as a protection against accidental septic contamination, particularly when Insulin is used by patients themselves. This addition, now official, has been made to 'Wellcome' Brand Insulin ever since this product was issued.

**Method of Administration**

'WELLCOME' BRAND INSULIN is administered by subcutaneous injection, the skin being first sterilised. The site chosen may be the outer side of the forearm, thigh or other suitable part of the body. Injection should be made deeply into the subcutaneous tissue and not into the skin itself.

The 'AGLA' Insulin Syringe and the 'AGLA' Insulin Two-piece Syringe in Spirit-tight Container, fitted with 'AGLA' Needles, are the most convenient instruments for routine injection. In cases where larger quantities are required, a 2 c.c. or 5 c.c. 'AGLA' Aseptic Syringe may be used.

Syringe and needle must be sterilised before use. Alkali should be avoided in sterilising the syringe and needle, lest some of it be injected into the phial and cause deterioration of the Insulin.

**Dosage**

When a definite diet and dosage of Insulin have been established, it will be sufficient if the patient tests the specimen of urine passed immediately before each injection.

Insulin is administered in two doses a day, half an hour before the morning and evening meals. The average daily dosage is 10 to 30 units.

If the supply of Insulin fails, the patient should be instructed at once to diminish his total food intake by one-third, lower the proportion of fat and go to bed in order to avoid danger from diabetic coma.

**Coma.**—Should the patient reach the stage of actual coma, 40 to 60 units of Insulin should be injected subcutaneously, every three or four hours, until improvement ensues.

**Infections** lessen carbohydrate tolerance, and more Insulin is needed in such cases. Before and after surgical operations requiring an anæsthetic, larger doses are also indicated.

#### Hypoglycæmic Reaction

If the blood-sugar falls below 0.07 per cent., hypoglycæmic reaction may occur, accompanied by symptoms consisting of apprehension, weakness and giddiness, or epileptiform convulsions and coma.

Symptoms of hypoglycæmia may promptly be countered by the oral administration of solution of glucose or sugar, or, in severe cases, by the intravenous injection of 20 c.c. of a 10 per cent. sterile solution of glucose. A subcutaneous injection of 1 c.c. of 'Wellcome' Brand Solution of Adrenaline (1 in 1000), B.P., may be employed in severe cases. The dose of sugar by the mouth should be at least half an ounce; and it may require to be repeated in half-an-hour or so if the hypoglycæmic effect of the Insulin still persists. All patients should carry some sugar and eat it when the premonitory symptoms arise.

**WARNING.**—The use of Insulin is definitely dangerous in cases of so-called renal glycosuria or diabetes innocens.

TRADE MARK 'Wellcome' Brand Insulin [B.W. & Co.]. Supplied to the Medical Profession, in rubber-capped amber-glass phials containing:—

100	International Units in	5 c.c.	...	...	Per doz. phials
200	"	"	5 c.c.	...	18/-
400	"	"	5 c.c.	...	34/-
200	"	"	10 c.c.	...	66/-
					34/-

(Prices in London)



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