



INSTITUTE OF POST GRADUATE MEDICAL EDUCATION & RESEARCH

Government of West Bengal
244, Acharyya Jagadish Chandra Bose Road,
Kolkata - 700 020, ☎ : 223-5181

Authentication Certificate

Project No.: 03/16/BR-006
Test Substance: Body Revival and it's 9 ingredients
Study Type: Analytical, Pharmaceutical, Toxicological & Pharmacological

I hereby attest to the authenticity of the study and guarantee that the data is correct and accurate to the best of our knowledge and that the study was performed in accordance with the guidelines of Good Laboratory Practice and regulations of the Committee for the Purpose of Control and Supervision of Experiments on Animal. This study has been conducted from March-June 2016.

Department of Pharmacology, Institute of Post Graduate Medical Education & Research, Kolkata takes the responsibility of archiving the following items for a period of one year.

Final reports with raw data, statistical analysis are submitted herewith.

Dr. Tapas Kumar Sur

Senior Researcher
Principal Investigator
Department of Pharmacology
Institute of Post Graduate Medical Education & Research
244B, Acharya J.C Bose Road, Kolkata 700020, India

EXECUTIVE SUMMARY

1. The detoxifying action of Body Revival is well-known. But, its nutritive action is still obscure. In this study all ingredients as also the final formulation was tested using sophisticated instruments and authenticated methods. Further, the toxicological aspect of Body Revival was also finding out. Moreover, its pharmacological actions particularly, in physical and mental endurance were carried out.
2. The test ingredients and final formulation were made according to Indian Traditional System of Medicine as described by Indian Pharmacopeia by the sponsor.
3. The results are very promising as also encouraging :
4. In Analytical studies, the proximate composition and nutraceutical role of ingredients present in Body Revival and its formulation by chemical analysis provide unequivocal testimony to the fact. All the ingredients of Body Revival shows rich sources of carbohydrate, protein, fat, fibres and microelements like sodium, potassium and calcium. The nutritive values (energy) of all components of Body Revival establish a good correlation and match with the final formulation. As per Sponsor's information, *Acorus calamus* extract has been prepared according to Ayurvedic *sodhona* (detoxification) process. Investigator has tried to estimate *B-asarone* form the extract and final formulation (Body Revival) according to HPLC method, but it could not detected in the supplying sample.
5. In Toxicological studies, no mortality observed in animals after oral ingestion of herbal formulation Body Revival even in large dose. In this limit test, 2.0 ml/100 g in mice by oral route is considered safe. Dose conversion rule confirms this dose is similar to 240 ml (20 X 12) for human oral dose (60 kg body weight). Therefore, it may assume, Body Revival do not possess any harmful chemical or ingredients and it is safe for oral use by human.
6. In Pharmacological studies, Body Revival ingestion improves exercise endurance power by enhancing to swimming time significantly and dose dependently within 10 days in rats. It also lowers immobility time or fatigue. Body Revival also enhances anaerobic capacity by lowering blood lactic acid. It also reduces muscle wasting as evidence by lowering blood CK level. Moreover, Body Revival improves mental strength or ability and thereby diminishes depressions.
7. Based on these findings, it might be conclude that Body Revival has nontoxic nutritive potentials as also has the capability to empower the physical as well as mental state form untoward conditions.

Dr. Tapas Kumar Sur
Principal Investigator

Project No.	03/16/BR-006
Project Status	Completed
Study Period	March-June, 2016
Nature of Study	Analytical Pharmaceutical Toxicological & Pharmacological
Number of Product	10
Product Name(s)	Body Revival and it's 9 ingredients
Product Nature	Natural Herbal extract Natural formulation
Intended of Use	Rejuvenation Therapeutic
Study Sponsor	Health Reactive 192, HPSID Ind. Area, Baddi, Dist. Solan (H.P.), India
Testing Facility	Department of Pharmacology Institute of Post Graduate Medical Education & Research 244B, Acharya J.C Bose Road Kolkata 700 020, West Bengal, India
Investigator	Dr. Tapas Kumar Sur Senior Researcher Department of Pharmacology Institute of Post Graduate Medical Education & Research 244B, Acharya J.C Bose Road, Kolkata 700020, India e-mail: drdbdrts@gmail.com Cell: +91 8017575428
Sponsor's Representative	Mr. P.K. Rane Senior Manager Health Reactive 192, HPSID Ind. Area, Baddi, Dist. Solan (H.P.), India