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Date: January 10, 2004  
Study: Case Study administering Kre-Alkalyn<sup>®</sup> US Patent 6,399,661 to 4 Healthy active adults

Purpose of Study: To measure body pH, Energy Levels, Endurance Levels, & Physical Well being in test subjects.

Procedures: Two subjects were administered 750 mg daily and two subjects were administered 1500 mg daily for 30 days. Kre-Alkalyn administration was taken first thing in the A.M. upon awaking.

pH, Energy, Endurance & Physical levels were measured 3 times daily. The first in the A.M. before Kre-Alkalyn administration, the second mid day, and the 3<sup>rd</sup> in the evening. The following chart was used for measurements.

**Scale:1-5 number system**

| <b>Energy</b>    | <b>Endurance</b> | <b>Physical</b> |
|------------------|------------------|-----------------|
| 1-Very energetic | 1-Very           | 1- Feel Great   |
| 2- Fairly        | 2-Good           | 2-Good          |
| 3-So So          | 3-So So          | 3-So So         |
| 4-A bit sluggish | 4-Not so good    | 4-Not so good   |
| 5-No energy      | 5-Bad            | 5-Bad           |

pH was measured by uranalyses.

The subjects were asked to not change their diet or workout schedules. All 4 subjects were male from ages 25-44.

Definition:

ENERGY

- 1). A: dynamic quality (narrative energy) B: the capacity of acting or being active (intellectual energy) C: a usually positive spiritual force (the energy flowing through all people)
- 2). Vigorous exertion of power: EFFORT (investing time and energy)
- 3). A fundamental entity of nature that is transferred between parts of a system in the production of physical change within the system and usually regarded as the capacity for doing work
- 4). usable power (as heat or electricity); also : the resources for producing such power

ENDURANCE

- 1). Permanence, duration
- 2). The ability to withstand hardship or adversity; especially :the ability to sustain a prolonged stressful effort or activity (a marathon runner's endurance)
- 3). The act or an instance of enduring or suffering
- 4). Capacity to endure pain or hardship, fortitude, stamina

PHYSICAL

- 1). A emotional state or action
- 2). The overall quality of ones awareness and well being
- 3). Strength and power

## Results:

|                 |                  |                  |                    |                       |                |
|-----------------|------------------|------------------|--------------------|-----------------------|----------------|
| Subject 1:      | <b>Energy</b>    | Before study:    | 3.00 (So-So)       |                       |                |
|                 |                  | During study:    | 1.17 (Average)     | Very Energetic        |                |
|                 | <b>Endurance</b> | Before study:    | 3.00 (So-So)       |                       |                |
|                 |                  | During study:    | 1.56 (Average)     | Very                  |                |
|                 | <b>Physical</b>  | Before study::   | 2.00 (Good)        |                       |                |
|                 |                  | During study:    | 1.33 (Average)     | Feel Great            |                |
|                 | Subject 2        | <b>Energy</b>    | Before study:      | 3.00 (So-So)          |                |
|                 |                  |                  | During study:      | 1.26 (Average)        | Very Energetic |
|                 |                  | <b>Endurance</b> | Before study:      | 3.00 (So-So)          |                |
|                 |                  | During study:    | 1.30 (Average)     | Very                  |                |
| <b>Physical</b> |                  | Before study::   | 3.00 (Good)        |                       |                |
|                 |                  | During study:    | 1.33 (Average)     | Feel Great            |                |
| Subject 3:      |                  | <b>Energy</b>    | Before study:      | 4.00 (A bit sluggish) |                |
|                 |                  |                  | During study:      | 1.64 (Average)        | Very Energetic |
|                 |                  | <b>Endurance</b> | Before study:      | 4.00 (Not so good)    |                |
|                 |                  | During study:    | 1.57 (Average)     | Very                  |                |
|                 | <b>Physical</b>  | Before study::   | 4.00 (Not so good) |                       |                |
|                 |                  | During study:    | 1.76 (Average)     | Feel Great            |                |
|                 | Subject 4:       | <b>Energy</b>    | Before study:      | 5.00 (No energy)      |                |
|                 |                  |                  | During study:      | 3.76 (Average)        | So-So          |
|                 |                  | <b>Endurance</b> | Before study:      | 5.00 (Bad)            |                |
|                 |                  | During study:    | 3.03 (Average)     | So-So                 |                |
| <b>Physical</b> |                  | Before study::   | 4.00 (Not so good) |                       |                |
|                 |                  | During study:    | 3.06 (Average)     | So-So                 |                |

**% Increases:**

|            |            |        |
|------------|------------|--------|
| Subject 1: | Energy:    | 156.4% |
|            | Endurance: | 92.3%  |
|            | Physical:  | 50.3%  |
| Subject 2: | Energy:    | 138.9% |
|            | Endurance: | 130.7% |
|            | Physical:  | 125.5% |
| Subject 3: | Energy:    | 143.9% |
|            | Endurance: | 154.7% |
|            | Physical:  | 127.2% |
| Subject 4: | Energy:    | 32.9%  |
|            | Endurance: | 65.1%  |
|            | Physical:  | 30.7%  |

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**Average for study % Increases:**

|            |        |
|------------|--------|
| Energy:    | 118.0% |
| Endurance: | 110.7% |
| Physical:  | 83.4%  |

**Conclusion:**

Kre-Alkalyn increased Energy levels by 118%, Endurance & Stamina by 110.7% and physical well being 83.4%.