

BIO-**BACK**

by Medolutions

The Most Comfortable Name in Back Pain Relief



← OR →



Big & Bulky

Simply...Effective



Counter-Force Design

Bio-Back's Counter-Force design is a critical component in reducing the strain on the pain sensitive structures in the lower back to help alleviate pain. By providing support while relaxing low back muscles, Bio-Back restores function allowing you to resume activities that used to result in low back pain.

How Bio-Back Works

The Bio-Back is a revolutionary breakthrough in back pain relief that can change the way you experience each day. Imagine a drug-free effective solution for your back pain.

The Bio-Back uses simple yet effective design architecture, which combines Counter-Force pressure with a Lumbar Dome that fits in the small of your back. Together these features reduce the strain on the muscles and the other pain sensitive structures in the lower back to help relax muscles and relieve pain so you can safely resume your daily activities, **BACK PAIN FREE!**



Lumbar Dome

Bio-Back's Lumbar Dome fits in the small of your back and helps to improve posture and promote proper body mechanics for improved mobility and a healthier, pain-free back.



Real People. Real Success Stories.

"Since I received my Bio-Back, it has helped me tremendously. I work in a job where I do a lot of bending. I feel this belt does what you say and then so much more." *F.F.*

"This brace is the holy grail of braces... it works, instantly there is relief! The construction of this brace is wonderful and has excellent positive reaction once it is on. I am very grateful for finding this brace. I have had problems since 2004 and now I have the relief I need to be mobile - Thank You." *M.W.*

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A Pain Management Clinic conducted a subjective survey of chronic back pain sufferers using the Bio-Back for various lengths of time. The following results were reported:

84% Would Recommend the Bio-Back

78% Reported Pain Relief

73% Reported Pain Prevention

7% Reported Decreased Opioid Consumption

Needle Electromyography (EMG) studies were performed to evaluate the Bio-Back's clinical efficacies. Subjects standing in an anatomically neutral position, demonstrated that use of the Bio-Back reduced the activity, of the Longissimus at L4 by an average of 52% and the Multifidus at L4 by an average of 37%, when compared to no orthosis. Overall, this would indicate that the employment of the Bio-Back orthosis reduced key endurance muscle activity by approximately 46% overall.

How does Bio-Back differ from other lumbar orthoses? Most lumbar orthoses provide compression around the entire abdomen. Bio-Back's combination of patented features results in unique counter force pressure that has been clinically proven to effect muscle tone of the lower back muscles. This muscle tone change combined with posture alignment and support results in pain relief and immediate improved function.



The Bio-Back creates muscle tone change, why is this important? It is important because initially to aid in pain relief then secondarily to improve mobility. Commonly, when there is injury to the back, especially the soft tissues, joints and discs of the lower back, there is increased neural stimulation leading to increased muscle recruitment. This increase in muscle recruitment leads to a hypertonic state of local and/or regional muscle groups resulting in increased pain and decreased mobility. By changing or reducing the hypertonic state of these local muscle groups, subjective improvement is noted in the patient's pain complaints while objective improvement is noted in the patient's restricted ranges of movement (the very first phase of rehabilitation). The net overall effect is improvement in your patient's quality of the life which is why many of them are seeking care for their lower back conditions.

Does the Bio-Back immediately improve a patient's function?

Yes. Consistent observations have been noted in an improved range of movement of 20 to 30 degrees to the point of increased pain. By having the patient bend to the point of increased pain, observe the range, then apply the Bio-Back and repeat the same movements to the point of increased pain, patients consistently demonstrate an immediate improvement of function.

Is there an effective way to evaluate Bio-Back's medical necessity? Yes, there are two components, pain scale and range of movement. Pain scale recordings before and after Bio-Back use should result in an improvement on the Oswestry Pain Scale. Range of movement should demonstrate an improvement to the point of increased pain immediately with Bio-Back use.

Medicare & Insurance Reimbursed
HCPCS Code L0627



Bio-Back has been awarded the Congress of Chiropractic State Associations' Seal of Approval as a product that "represents the best of what is out there."