

Collagen Induced Arthritis in DBA1 mice

Taconic
Smart Solutions To Improve Human Health



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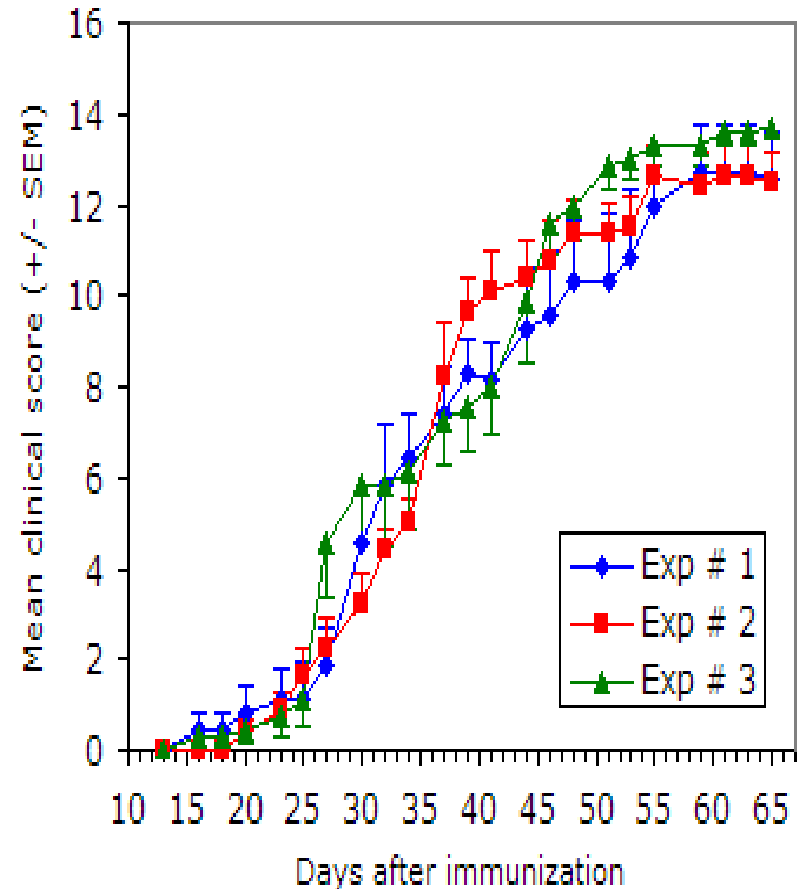


Arthritis Model

- Widely used as a model of rheumatoid arthritis induced through collagen injection
- The MPF™ DBA/1JBomTac has shown superior performance for collagen induced arthritis studies.

Data are from three independent experiments using Hooke Kits™ Chicken Collagen/CFA Emulsion (EK-0210) and Chicken Collagen/IFA Emulsion (EK-0211), with female Taconic mice.

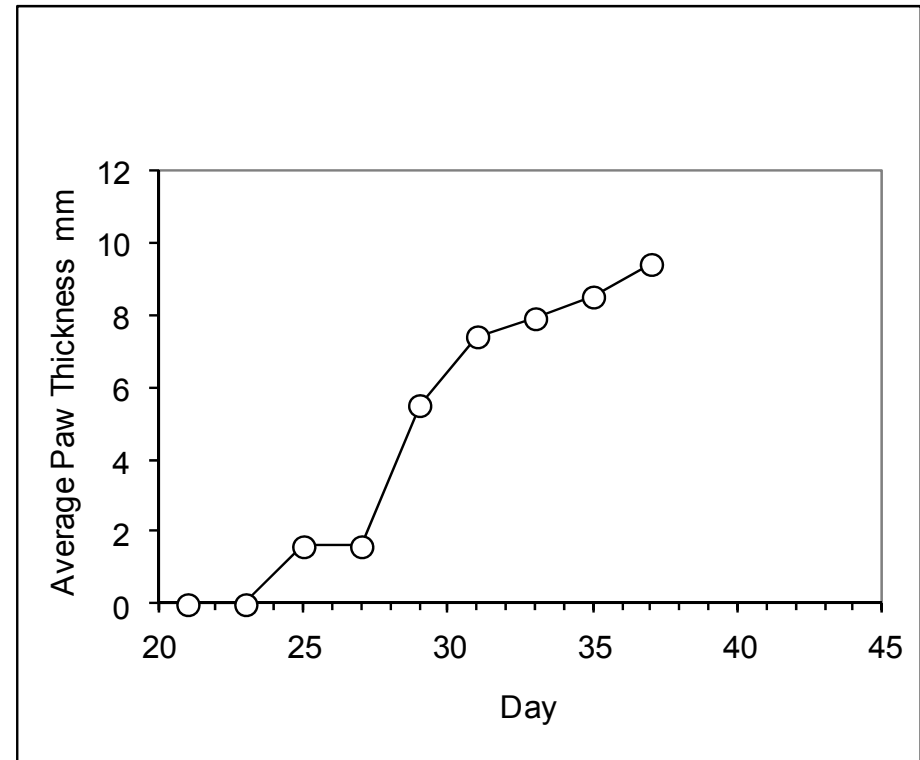
- DBA/1 mice develop collagen induced arthritis (CIA) after immunization with collagen emulsified in Complete Freund's Adjuvant (CFA), followed by a booster dose of collagen emulsified in Incomplete Freund's Adjuvant (IFA).
- Mean maximum arthritic score will be 12 to 14 (on the scale of 0–16).
- When using chicken collagen, CIA will develop 16–35 days after immunization in 90–100% of male and female mice.
- When using bovine collagen, CIA will develop 16–35 days after immunization in 90–100% of male and 60% to 100% of female mice.



Nomenclature:
DBA/1JBomTac



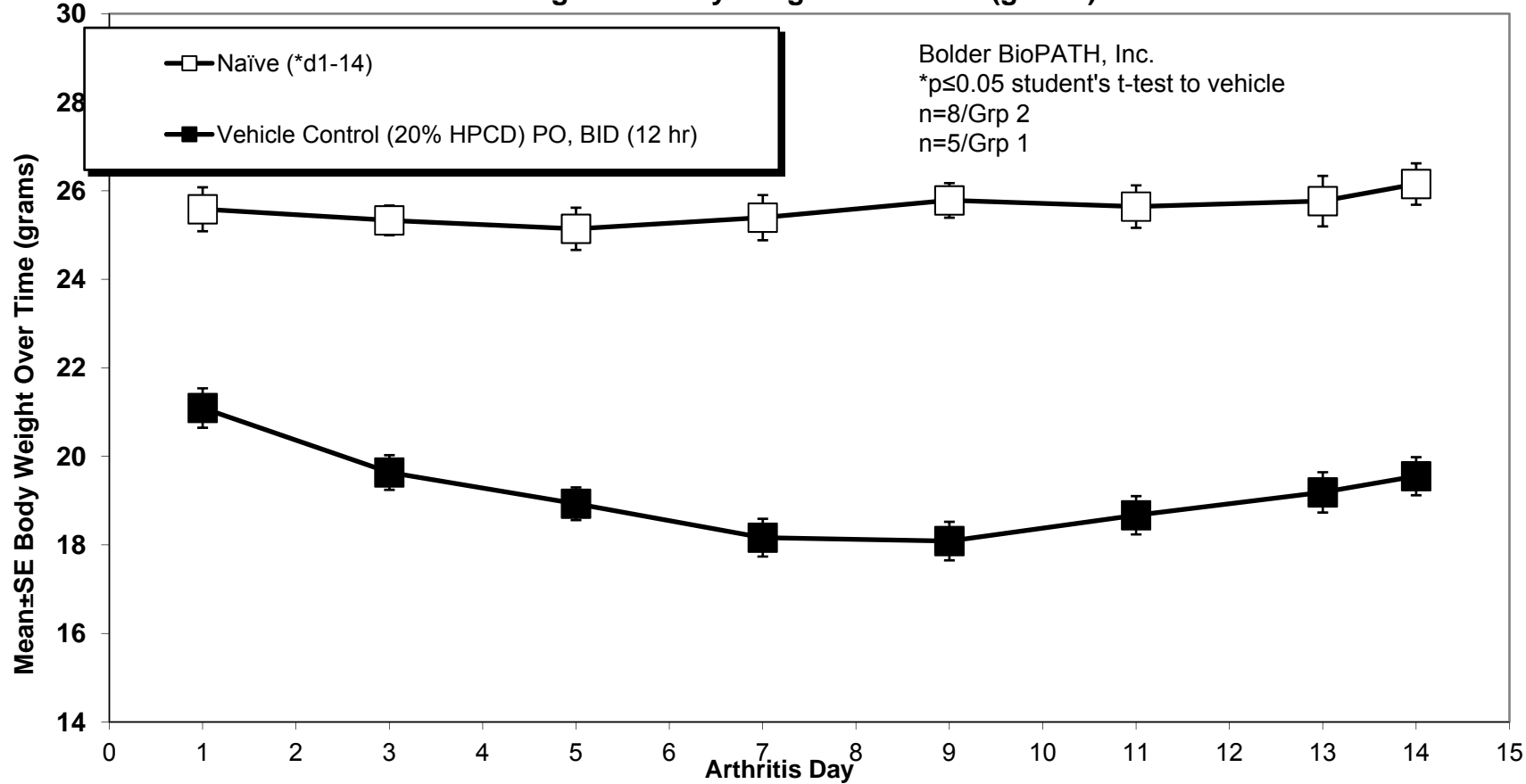
- Received on Sept 20, 2011
- Order #: 292063
- DBA1BO-M
- DBA/1J BomTac Male
- Lot: 20110725-MBU000303C-HC
- Age: 8 Weeks
- Health Status: MPF
- Route Number: OT-900A-TU-5
- Quantity: 99
- Collagen induced arthritis: n=10



Body Weight— DBA1 Mice



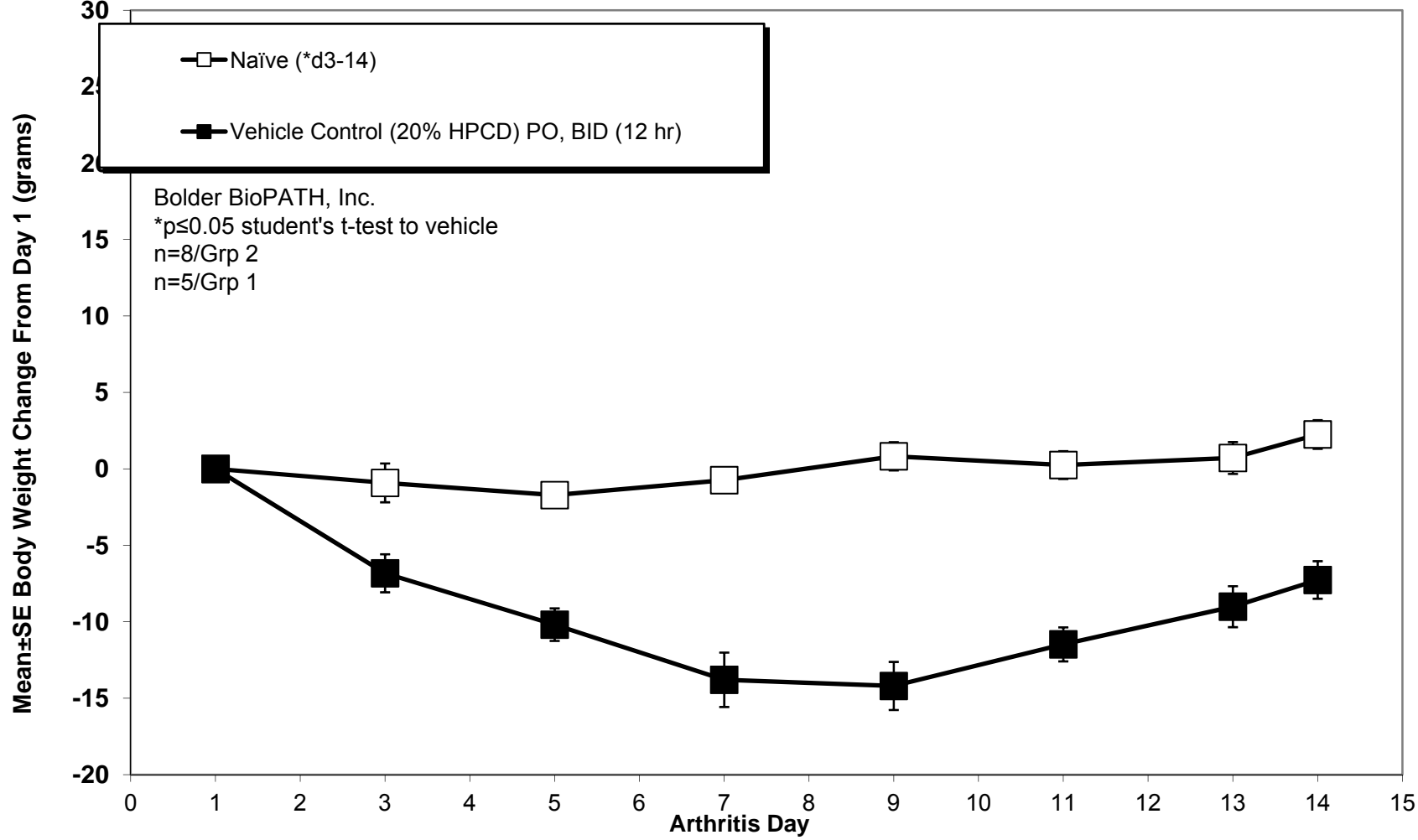
Figure 1. Body Weight Over Time (grams)



DBA1 Body Weight Change



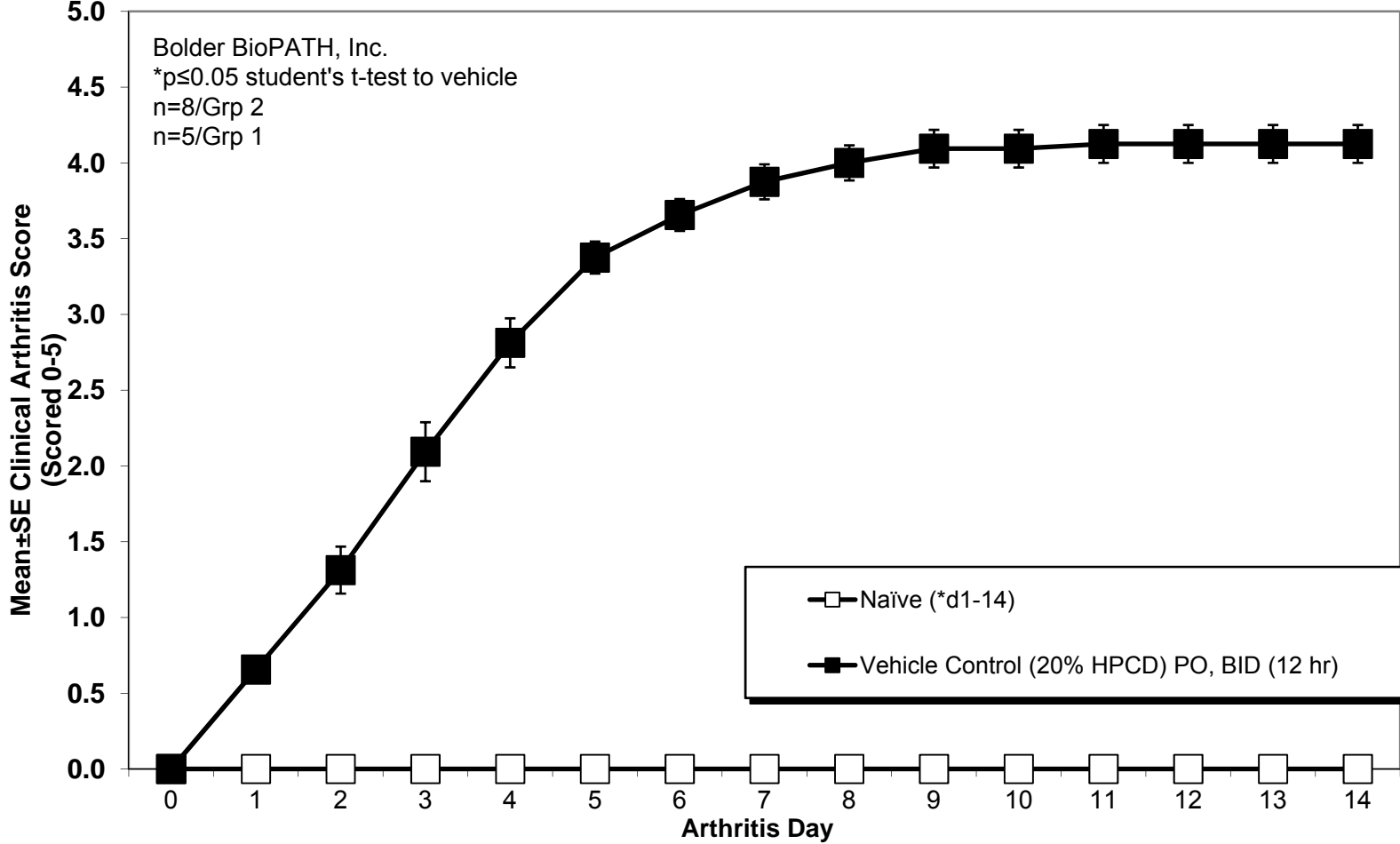
Figure 2. Body Weight Change From Day 1 (grams)



Clinical Arthritis Scores – All Paws



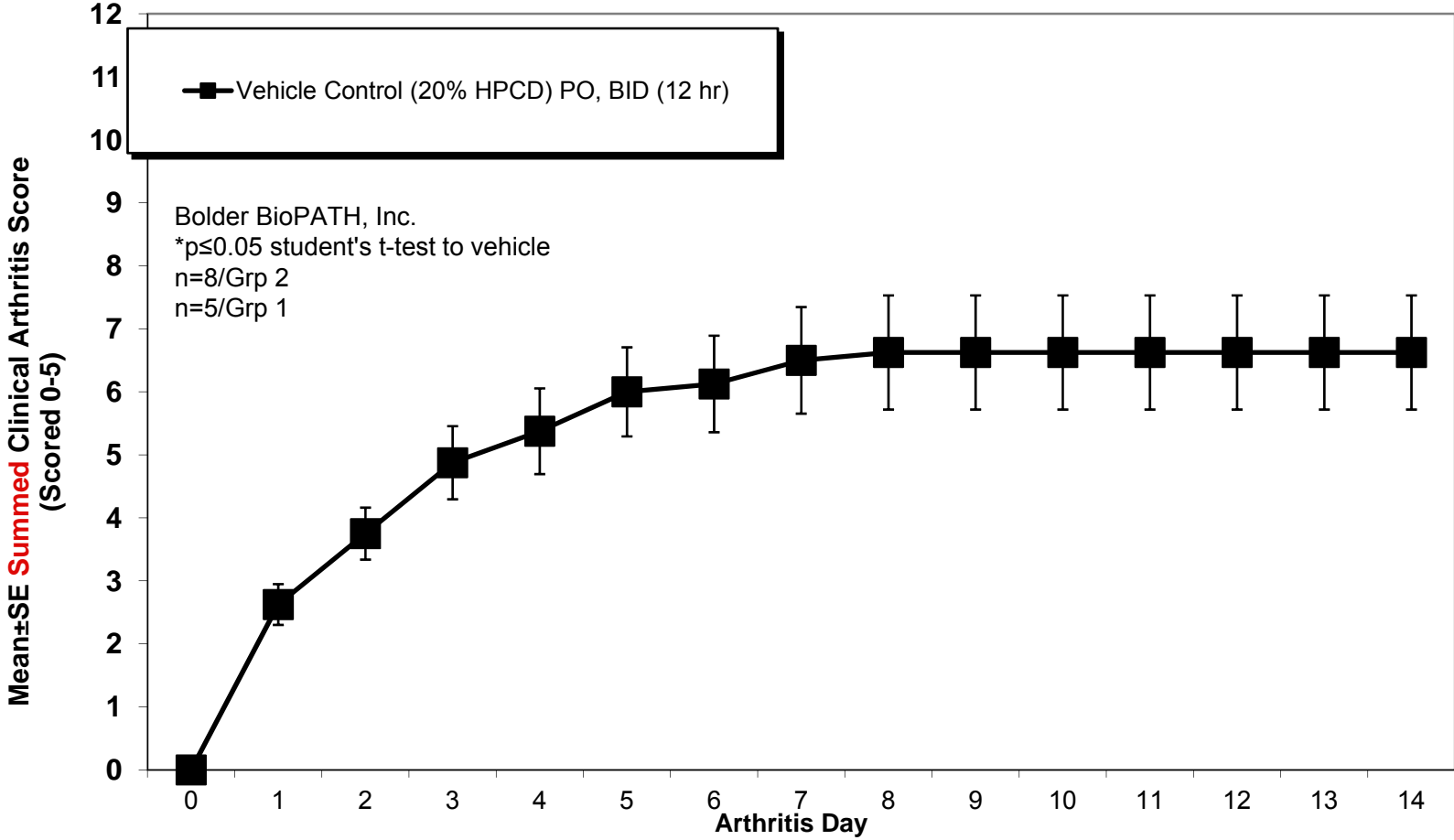
Figure 4. Clinical Arthritis Score - All Paws (Scored 0-5)



Clinical Arthritis Scores – Therapeutic Paws



Figure 6. **Summed** Clinical Arthritis Score - Therapeutic Paws (Enrollment Paws) (Scored 0-5)



Clinical Arthritis Scores – Prophylactic Paws



Figure 8. **Summed** Clinical Arthritis Score - Prophylactic Paws (Non-Enrollment Paws) (Scored 0-5)

