Trialled 3 batches of Citeq vs Greer

**Dosimetry**

- Citeq: 100ug dose calculated based on total dry powder weight
- Greer: 100ug dose calculated based on total protein weight

**Dosing Schedule**

- PBS: HDM reference
- HDM: HDM reference

**Induction of Airway Eosinophilia**

- Citeq products cause inflammation of the airway
- Citeq products elicit a stronger T-cell and neutrophil infiltration than its Greer and ALK counterparts
- IL-17 production, IFN-g are higher when Mice were treated with Citeq HDM 15G10.
- Changes in other cell populations are of the same magnitude across all products

**Results**

- Batch comparison 15G10-15J01
- Comparison of eosinophilia in different batches of Citeq vs Greer & ALK
- In comparison to Greer, Citeq products cause an equal response in (inflammatory) cell populations.
- IL-17 production, IFN-g are higher when Mice were treated with Citeq HDM 15G10.

**H&E Staining**

- Botch batches of Citeq induce a response in alveolar macrophage (AM), eosinophile (E) and neutrophil infiltration.

**Lung Function**

- Increase in airway resistance and decrease in airway compliance is equal across different batches of Citeq HDM extracts.

**Cytokine Production**

<table>
<thead>
<tr>
<th>Cytokine</th>
<th>Citeq HDM 15G10</th>
<th>Greer 15G10</th>
<th>ALK 15G10</th>
</tr>
</thead>
<tbody>
<tr>
<td>IL-10</td>
<td>1000</td>
<td>2000</td>
<td>3000</td>
</tr>
<tr>
<td>IL-13</td>
<td>1500</td>
<td>2000</td>
<td>3000</td>
</tr>
<tr>
<td>IL-17</td>
<td>2000</td>
<td>3000</td>
<td>4000</td>
</tr>
</tbody>
</table>

**Analysis**

- Citeq vs Greer & ALK
- Cull 24 hrs after last allergen challenge

**Curettage**

- MLN, Serum, BAL analyses
- Citeq vs Greer & ALK