

## EXHIBIT Q – ASTHMA IMPAIRMENT CRITERIA

### Method for Calculation of Asthma/RADS Impairment Based on Combination Score

This Exhibit Q details the method by which the Allocation Neutral can determine a Primary Plaintiff's Asthma/RADS impairment level based upon a combination of factors. A combined score is calculated from the sum of the three factors outlined in Tables 1, 2 and 3 below. All PFT values for Tables 1 and 2 (post-BD FEV<sub>1</sub>, pre-BD FEV<sub>1</sub>, and % FEV<sub>1</sub> change) must come from a single valid test.

**Table 1. Postbronchodilator FEV<sub>1</sub>**

Points	FEV <sub>1</sub> % Predicted
0	Greater than 80%
1	70% to 80%
2	60% to 69%
3	50% to 59%
4	Less than 50%

*Adapted from 1993 ATS Guidelines.*

**Table 2. Reversibility of FEV<sub>1</sub> or Degree of Airway Hyperresponsiveness**

Points	% FEV <sub>1</sub> Change	Methacholine Challenge Test Response PC <sub>20</sub> mg/ml or equivalent
0	Less than 10%	Greater than 8 mg/ml
1	10% to 19%	0.5 to 8 mg/ml
2	20% to 29%	0.125 to 0.5 mg/ml
3	30% or Higher	0.125 or fewer mg/ml

*Adapted from 1993 ATS Guidelines*

Note: A Plaintiff can gain points in Table 2 from either % FEV<sub>1</sub> change or MCT response. The *pre*-BD FEV<sub>1</sub> is used to determine which of these measures should be used.

- If the *pre*-BD FEV<sub>1</sub> is greater than 80%, the PC<sub>20</sub> mg/ml should be used.
- If the *pre*-BD FEV<sub>1</sub> is 70 to 80%, either measure can be used.
- If the *pre*-BD FEV<sub>1</sub> is less than 70%, the % FEV<sub>1</sub> change should be used.

**Table 3. Medication Use**

Points	Medications
0	No Medication
1	Occasional Bronchodilator <i>and/or</i> Cromolyn
2	Daily Inhaled Steroid <i>or</i> Anti-Leukotriene <i>or</i> Long Acting Beta Agonist (LABA)
3	Daily Long Acting Beta Agonist (LABA) <b>AND</b> Daily Inhaled Steroid <i>or</i> Anti-Leukotriene
4	Daily Long Acting Beta Agonist (LABA) <b>AND</b> Daily Inhaled Steroid <i>or</i> Anti-Leukotriene <b>AND</b> Occasional course of systemic steroids (3 or more times in past 2 years)

To demonstrate an “occasional course of systemic steroids” as required to receive four (4) points under Table 3, a Primary Plaintiff must append to his or her Claim Form three (3) prescription records or other Qualifying Medical Records documenting separate courses of systemic steroid treatment for the period including January 2008 to present. To establish all other medication use referenced in Table 3, a Primary Plaintiff must append to his or her Claim Form (i) two (2) prescriptions records demonstrating the requisite medication use more than six (6) months apart or (ii) two (2) other Qualifying Medical Records referencing the requisite medication use more than six (6) months apart.

Medications are classified according to the Asthma/RADS Medication Scoring table below:

<b>Bronchodilator Only</b>		
Accuneb	Airet	Albuterol
Alupent	Atrovent	Bitolterol
Brethaire	Brethine	Combivent
Duoneb	Ipratropium	Levalbuterol
Maxair	Metaproterenol	Pirbuterol
Proair	Proventil	Terbutaline
Theophylline	Tornalate	Ventolin
Volmax	Vospire	Xopenex
<b>LABA Only</b>		
Foradil	Formoterol	Salmeterol
Serevent	Slo-Phyllin	
<b>LABA &amp; Inhaled Steroid</b>		
Advair	Advair Diskus	Symbicort
<b>Inhaled Steroid Only (Not Nasal Spray)</b>		
AeroBid	Asmanex	Azmacort
Beclomethasone	Beclovent	Budesonide
Flunisolide	Fluticasone	Mometasone
Pulmicort	Qvar	Triamcinolone Acetonide
<b>Systemic Steroids Only</b>		
Corticosteroids	Cortisone	Decadron
Dexamethasone	Deltasone	Hydrocortisone
Medrol	Methylprednisolone	Prednisone
Solu-Medrol		
<b>Cromolyn Only</b>		
Cromolyn	Intal	
<b>Anti-Leukotriene (Leukotriene Antagonist)</b>		
Accolate	Montelukast	Singulair