**Calculation Sheet for Rapid-Acting Insulin with Ketone Bolus Correction**

**Correction Rules for High Blood Glucose (BG)**

During the **DAY**, do a correction *(if all apply)*:
- BG is greater than Correction Target.
- It has been 3 hours or more since you gave insulin for a high BG correction or food.
- It has been more than 3 hours since the last low BG.
- It has been more than an hour since vigorous exercise.

Your day hours: _______ a.m. to _______ p.m.

**DAYTIME** Correction Factor: _________

During the **NIGHT**, do a correction *(if all apply)*:
- BG is greater than _________ mg/dL.
- It has been 3 hours or more since you gave insulin for a high BG correction or food.
- It has been more than 3 hours since the last low BG.
- It has been more than an hour since vigorous exercise.

Your night hours: _______ p.m. to _______ a.m.

**NIGHTTIME** Correction Factor: _________

<table>
<thead>
<tr>
<th>Carbohydrate Bolus to Eat</th>
<th>CARBOHYDRATE RATIO</th>
<th>Carbohydrate Bolus (Round to nearest tenth)</th>
</tr>
</thead>
<tbody>
<tr>
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<table>
<thead>
<tr>
<th>Blood Glucose</th>
<th>CORRECTION TARGET</th>
<th>Amount to Correct</th>
<th>CORRECTION FACTOR</th>
<th>Correction Bolus (Round to nearest tenth)</th>
</tr>
</thead>
<tbody>
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<table>
<thead>
<tr>
<th>Carbohydrates</th>
<th>Correction Bolus</th>
<th>Ketone Bolus (Use Ketone Bolus Chart)</th>
<th>Total</th>
<th>*Rounded Total Insulin Bolus</th>
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*Chart for Rounding Total Insulin Bolus*

**ROUNDING RULE for ½ Unit:**
- 0.1 - 0.3 = Round down to whole unit
- 0.4 - 0.7 = Round to ½ unit
- 0.8 - 0.9 = Round up to whole unit

**ROUNDING RULES for Whole Unit:**
- 0.1 - 0.4 = Round down to whole unit
- 0.5 - 0.9 = Round up to whole unit

---

**Date _____________  Time _____________ a.m. / p.m.**

1. **Calculate Carbohydrate Bolus:**

   \[
   \frac{\text{Carbohydrates to Eat}}{\text{CARBOHYDRATE RATIO}} = \text{Carbohydrate Bolus (Round to nearest tenth)}
   \]

2. **Calculate Correction Bolus:**

   \[
   \text{Blood Glucose} - \text{CORRECTION TARGET} = \frac{\text{Amount to Correct}}{\text{CORRECTION FACTOR}} = \text{Correction Bolus (Round to nearest tenth)}
   \]

3. **Calculate Total Insulin Bolus:**

   \[
   \text{Carbohydrate Bolus} + \text{Correction Bolus} + \text{Ketone Bolus (Use Ketone Bolus Chart)} = \text{Total} * \text{Rounded Total Insulin Bolus}
   \]

---

**Date _____________  Time _____________ a.m. / p.m.**

1. **Calculate Carbohydrate Bolus:**

   \[
   \frac{\text{Carbohydrates to Eat}}{\text{CARBOHYDRATE RATIO}} = \text{Carbohydrate Bolus (Round to nearest tenth)}
   \]

2. **Calculate Correction Bolus:**

   \[
   \text{Blood Glucose} - \text{CORRECTION TARGET} = \frac{\text{Amount to Correct}}{\text{CORRECTION FACTOR}} = \text{Correction Bolus (Round to nearest tenth)}
   \]

3. **Calculate Total Insulin Bolus:**

   \[
   \text{Carbohydrate Bolus} + \text{Correction Bolus} + \text{Ketone Bolus (Use Ketone Bolus Chart)} = \text{Total} * \text{Rounded Total Insulin Bolus}
   \]