Calculation Sheet for Rapid-Acting Insulin with Ketone Bolus Correction

Date _____ Time _____ a.m. / p.m.

1. Calculate Carbohydrate Bolus:

_____ ÷ _____ = _____
Carbohydrates to Eat | **CARBOHYDRATE RATIO** | Carbohydrate Bolus (Round to nearest tenth)

2. Calculate Correction Bolus:

_____ - _____ = _____ ÷ _____ = _____
Blood Glucose | **CORRECTION TARGET** | Amount to Correct | **CORRECTION FACTOR** | Correction Bolus (Round to nearest tenth)

3. Calculate Total Insulin Bolus:

_____ + _____ + _____ = _____ → _____
Carbohydrate Bolus | Correction Bolus | Ketone Bolus (Use Ketone Bolus Chart) | Total | ***Rounded Total Insulin Bolus**

Date _____ Time _____ a.m. / p.m.

1. Calculate Carbohydrate Bolus:

_____ ÷ _____ = _____
Carbohydrates to Eat | **CARBOHYDRATE RATIO** | Carbohydrate Bolus (Round to nearest tenth)

2. Calculate Correction Bolus:

_____ - _____ = _____ ÷ _____ = _____
Blood Glucose | **CORRECTION TARGET** | Amount to Correct | **CORRECTION FACTOR** | Correction Bolus (Round to nearest tenth)

3. Calculate Total Insulin Bolus:

_____ + _____ + _____ = _____ → _____
Carbohydrate Bolus | Correction Bolus | Ketone Bolus (Use Ketone Bolus Chart) | Total | ***Rounded Total Insulin Bolus**

*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

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: _____