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Checkit® Go labware definition for your Biomek i-Series Automated Liquid Handler

At the heart of every Biomek Automated Liquid Handler is the Biomek software, which provides users with flexibility to adapt their manual liquid handling workflows to automation with ease. One of the key features in this adaptation is the ability to choose the labware and create the definition in the Utilities pallet for future use. No need to buy expansion packs or utilize only the labware predefined. In an effort to help provide additional instruction, and in collaboration with Next Advance, we are happy to provide a step-by-step guide for creating the Next Advance Checkit® Go labware definition for your Biomek i-Series Automated Liquid Handler.


Definition details as written below are established for the following part numbers:

- Checkit® Go 5 µL (model CK8V5) for 2.5 to 5 µL

- Checkit® Go 10 µL (model CK8J10) for 5 to 10 µL

- Checkit® Go 20 µL (model CK8K20) for 10 to 20 µL

- Checkit® Go 50 µL (model CK8C50) for 25 to 50 µL

This information is intended for users of Biomek 5 Software who have undergone the basic instrument and software training. If there are any questions when creating the labware definition, contact your local field application scientist or Beckman Coulter Life Sciences for further instruction. The definition below is built using the **706334-05-Checkit-Go-Cartridge-interface-Drawing** as provided on the Next Advance website.

1. Open the Biomek 5 Software; the icon should appear as below.


2. Select the Utilities pallet, then select the Labware Type Editor icon.

3. Upon selection a pop-up will open labeled Labware Types.

4. In that pop-up select New.
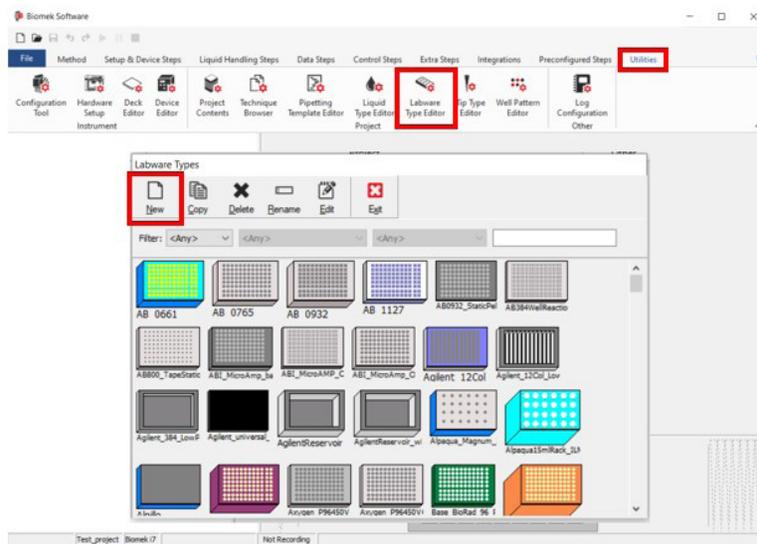
5. Select Reservoir as the Type and create a unique labware name.
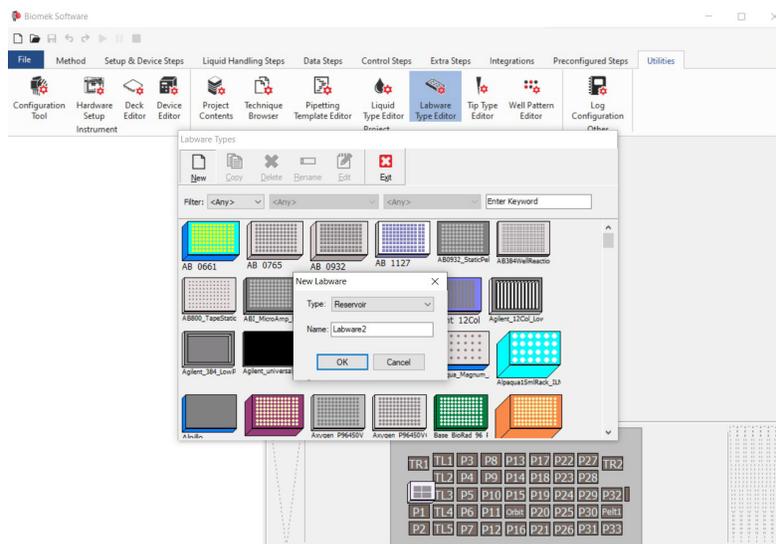
6. Use the values stored below under Basic information tab:
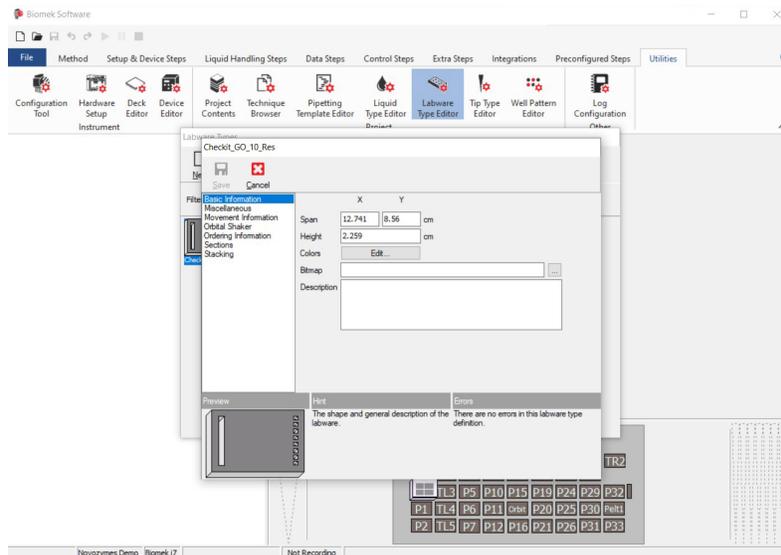
7. Use the values stored below under Miscellaneous tab:
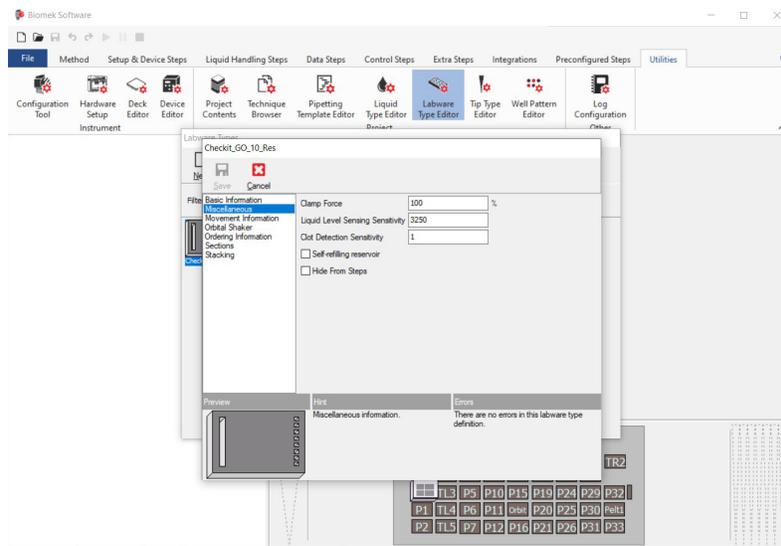
8. Use the values stored below under Movement Information tab:
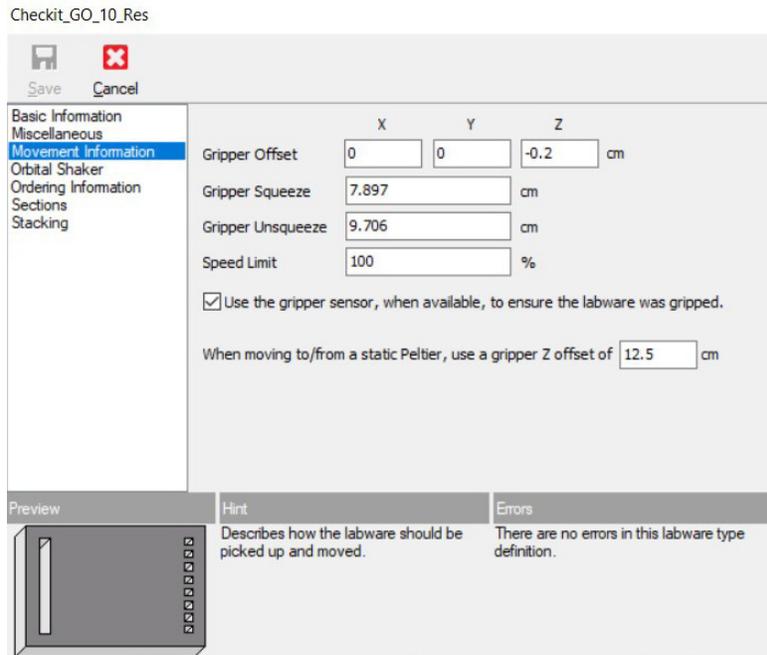
9. Use the values stored below under Orbital Shaker tab:
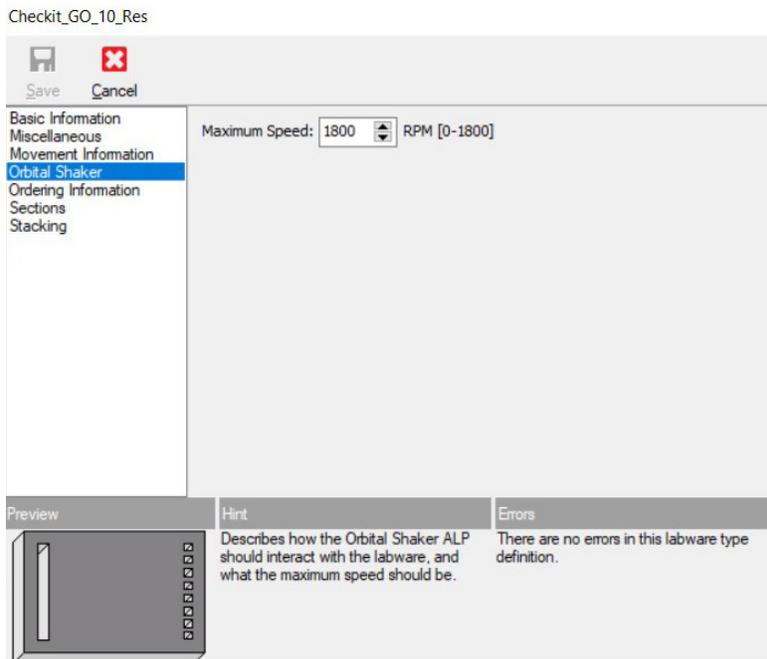
10. Use the values stored below under Ordering Information tab to indicate the Manufacturer and the Part Number:
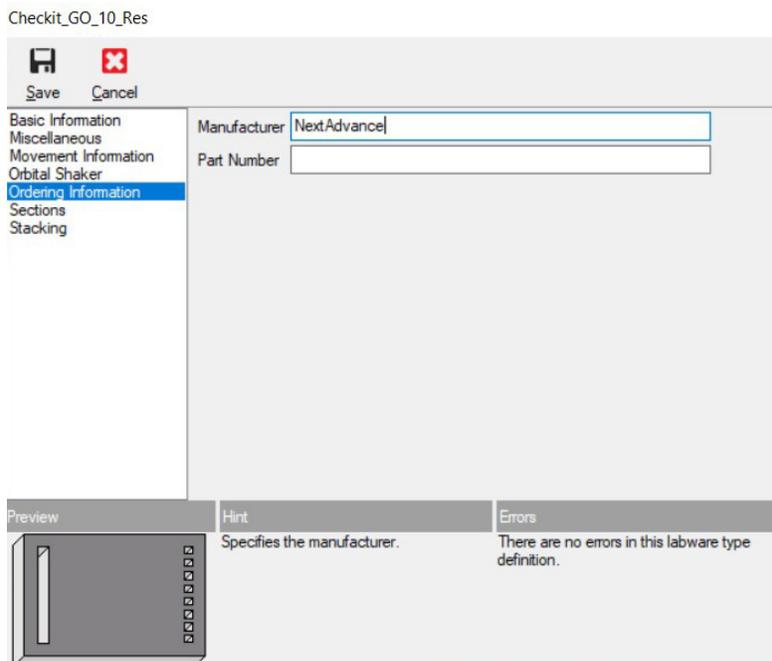
11. Open Edit Profile: Select the first icon and complete the information as listed in the table below. Repeat for each of the nine regions of the plate.
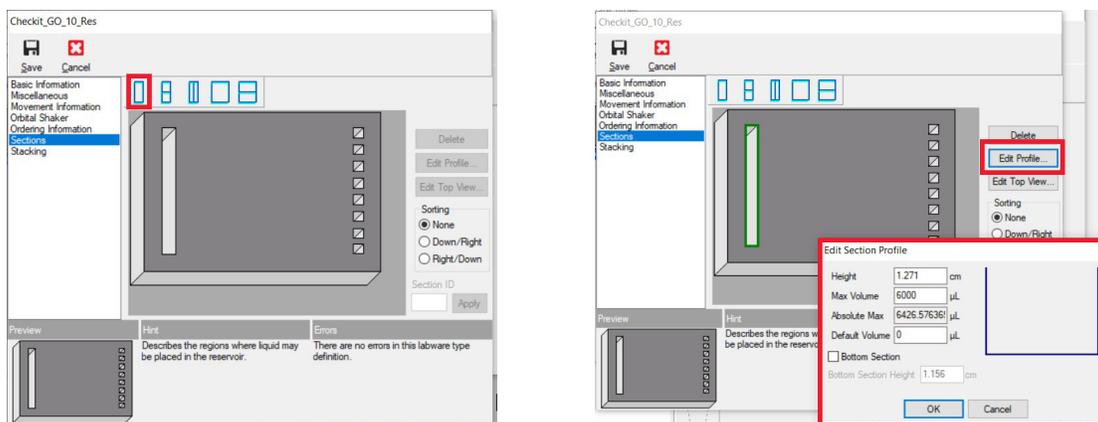
Region	Height	Max Volume	Absolute Max	Default Volume	Bottom Section	Bottom Section Height
Reservoir Trough	1.271	6000	Calculated	0	Unchecked	Greyed out
Dispense Well 1	1.13	50	Calculated	0	Checked	0.4
Dispense Well 2	1.13	50	Calculated	0	Checked	0.4
Dispense Well 3	1.13	50	Calculated	0	Checked	0.4
Dispense Well 4	1.13	50	Calculated	0	Checked	0.4
Dispense Well 5	1.13	50	Calculated	0	Checked	0.4
Dispense Well 6	1.13	50	Calculated	0	Checked	0.4
Dispense Well 7	1.13	50	Calculated	0	Checked	0.4
Dispense Well 8	1.13	50	Calculated	0	Checked	0.4

12. Open Edit Top View: Complete the information as previously stated for Edit Profile using the table below.
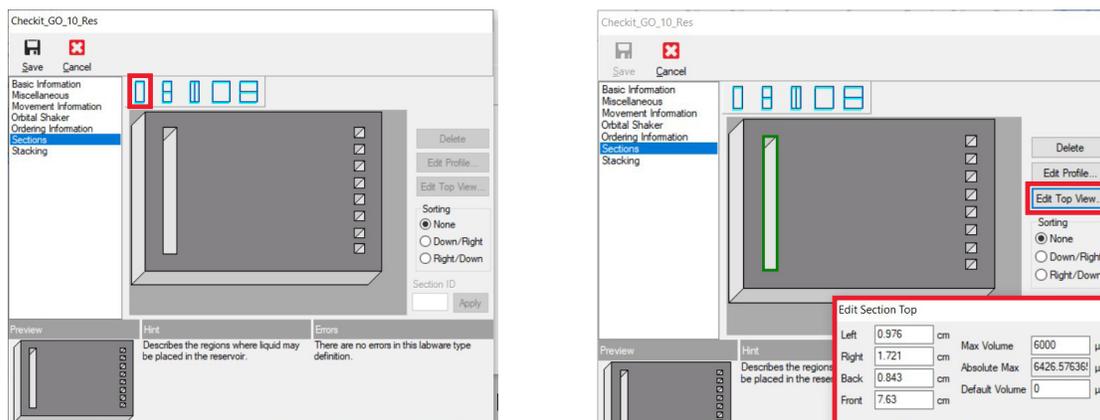
Region	Left	Right	Back	Front	Max Volume	Absolute Max	Default Volume
Reservoir Trough	0.976	1.721	0.843	7.63	6000	Calculated	0
Dispense Well 1	11.26	11.781	0.833	1.364	50	Calculated	0
Dispense Well 2	11.26	11.781	1.739	2.27	50	Calculated	0
Dispense Well 3	11.26	11.781	2.642	3.173	50	Calculated	0
Dispense Well 4	11.26	11.781	3.55	4.081	50	Calculated	0
Dispense Well 5	11.26	11.781	4.434	4.965	50	Calculated	0
Dispense Well 6	11.26	11.781	5.343	5.874	50	Calculated	0
Dispense Well 7	11.26	11.781	6.251	6.782	50	Calculated	0
Dispense Well 8	11.26	11.781	7.076	7.607	50	Calculated	0

13. Save the changes you have made to the new labware you created.

14. Validate the labware definition on your instrument.

For Beckman Coulter's worldwide office locations and phone numbers, please visit Contact Us at beckman.com