XII. Appendix E: SUV Analysis Worksheet

Patient Dose:_____ PET(/CT) Model: _____

For SUV calculations, enter the following into the site's computer: Use the patient dose previously selected from the phantom dose chart on page 10. DO NOT use the value of dose B. Use 70 kg (154 pounds) as the patient's weight. Use the ROI data obtained for the minimum (min.), maximum (max.) and mean SUV values to complete tables 1 & 2 below.

A) Contrast – Table 1

	Hot Vial 8 mm	Hot Vial 12 mm	Hot Vial 16 mm	Hot Vial 25 mm
max SUV				

B) Scatter/Attenuation – Table 2

	Background	Bone	Air	Water
mean SUV				
min. SUV				

C) Ratio Calculations (using data from Tables 1 & 2 above)

max. vial SUV to mean background SUV e.g., Contrast = 8mm SUV / bkgd SUV	8mm/bkgd	12mm/bkgd	16mm/bkgd	25mm/bkgd

max. vial SUV to max. 25 mm vial e.g., Contrast = max16 mm SUV / max 25 mm SUV	8mm/25mm	12mm/25mm	16mm/25mm

min. air or water to min. bone e.g., ratio = min air SUV / min bone SUV	air/bone	water/bone