

Subject No. _____

**An Open-Label, Randomized, Two-Period, Crossover
Pivotal Study to Evaluate the Relative Bioavailability of an
Extended-Release Test Formulation of Morphine Sulfate
(120 mg Capsule) Compared to an Equivalent Dose
of the Reference Listed Drug (Avinza® 120 mg, Ligand
Pharmaceuticals Incorporated) in Normal Human
Subjects Under Fed Conditions**

Study # 850

CASE REPORT FORM

tyco / *Healthcare* / ***Mallinckrodt***

Subject Identification		STUDY # 850		Mallinckrodt Inc.	
Site <div style="border: 1px solid black; padding: 5px; display: inline-block;"> X X X </div>		Subject Number <div style="border: 1px solid black; padding: 5px; display: inline-block;"> 0 <div style="border: 1px solid black; width: 20px; height: 20px; display: inline-block; vertical-align: middle;"></div> </div>		Subject Initials <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <div style="border: 1px solid black; width: 20px; height: 20px; display: inline-block; vertical-align: middle;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; display: inline-block; vertical-align: middle;"></div> </div>	
INCLUSION/EXCLUSION CRITERIA					
Did the subject meet all inclusion criteria? No <input type="checkbox"/> Yes <input type="checkbox"/> [If No, note exception below]					
If a Sponsor-approved exception applies to any of the inclusion criteria, list the criterion number, comments, the name of the person who approved the exception, and the date the exception was granted.					
Criterion Number	Comment	Approved by	Date (d d / m m m / y y y y)		
			<div style="border: 1px solid black; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 20px;"></div>		
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Did the subject qualify for any exclusion criteria? No <input type="checkbox"/> Yes <input type="checkbox"/> [If Yes, note exception below]					
If a Sponsor-approved exception applies to any of the exclusion criteria, list the criterion number, comments, the name of the person who approved the exception, and the date the exception was granted.					
Criterion Number	Comment	Approved by	Date (d d / m m m / y y y y)		
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DEMOGRAPHICS					
Date of Informed Consent: (d d / m m m / y y y y) <div style="border: 1px solid black; padding: 5px; display: inline-block;"> 2 0 </div>			Ethnicity: <input type="checkbox"/> Hispanic <input type="checkbox"/> Non-Hispanic Race: <input type="checkbox"/> American Indian/Alaska Native <input type="checkbox"/> Asian <input type="checkbox"/> Black, of African heritage <input type="checkbox"/> Native Hawaiian/Other Pacific Islander <input type="checkbox"/> White		
Time of Informed Consent: <div style="border: 1px solid black; padding: 5px; display: inline-block;"> : </div> 24 hr clock					
Birthdate: <div style="border: 1px solid black; padding: 5px; display: inline-block;"> : </div>			Body Mass Index (BMI): <div style="border: 1px solid black; padding: 5px; display: inline-block;"> : </div>		
Sex: <input type="checkbox"/> Male <input type="checkbox"/> Female			Height: <div style="border: 1px solid black; padding: 5px; display: inline-block;"> : </div> in Weight: <div style="border: 1px solid black; padding: 5px; display: inline-block;"> : </div> lb		
MEDICAL AND SURGICAL HISTORY			Date obtained: <div style="border: 1px solid black; padding: 5px; display: inline-block;"> 2 0 </div> d d / m m m / y y y y		
Is there a medical history or current abnormality/disease of the following systems?					
Examination	No (X)	Yes (X)	If Yes, specify and provide onset date if known.		
General	<input type="checkbox"/>	<input type="checkbox"/>			
Dermatological	<input type="checkbox"/>	<input type="checkbox"/>			
HEENT	<input type="checkbox"/>	<input type="checkbox"/>			
Respiratory	<input type="checkbox"/>	<input type="checkbox"/>			
Cardiovascular	<input type="checkbox"/>	<input type="checkbox"/>			
Gastrointestinal	<input type="checkbox"/>	<input type="checkbox"/>			
Genitourinary	<input type="checkbox"/>	<input type="checkbox"/>			
Gynecological	<input type="checkbox"/>	<input type="checkbox"/>	NA <input type="checkbox"/>		
Endocrine	<input type="checkbox"/>	<input type="checkbox"/>			
Musculoskeletal	<input type="checkbox"/>	<input type="checkbox"/>			
Hematological	<input type="checkbox"/>	<input type="checkbox"/>			
Neuro-Psychological	<input type="checkbox"/>	<input type="checkbox"/>			

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MEDICAL HISTORY: Allergies											
Does the subject have a history of allergies?											
No <input type="checkbox"/> Yes <input type="checkbox"/> If Yes , complete the following information:											
Classification Codes: 1 = Food, 2 = Drug, 3 = Environmental											
Classification (1, 2, or 3)		Allergen		Reaction							
VITAL SIGNS : SCREENING											
Observation Time	Date (d d / m m m / y y y y)	Time (24 hr clock)	Blood Pressure (mmHg)		Pulse Rate (bpm)	Respiratory Rate (breaths/min)	Oxygen Saturation (%)	Temperature (F°)			
			Systolic	Diastolic							
Screening	<div> <div></div> <div></div> <div></div> <div></div> <div>2</div> <div>0</div> <div></div> <div></div> </div>	<div> <div></div> <div>:</div> <div></div> </div>									
Repeat Screening?	<div> <div></div> <div></div> <div></div> <div></div> <div>2</div> <div>0</div> <div></div> <div></div> </div>	<div> <div></div> <div>:</div> <div></div> </div>									
No <input type="checkbox"/> Yes <input type="checkbox"/>	<div> <div></div> <div></div> <div></div> <div></div> <div>2</div> <div>0</div> <div></div> <div></div> </div>	<div> <div></div> <div>:</div> <div></div> </div>									

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Site <div style="border: 1px solid black; display: inline-block; padding: 2px;"> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">X</div> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">X</div> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">X</div> </div>		Subject Number <div style="border: 1px solid black; display: inline-block; padding: 2px;"> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">0</div> <div style="display: inline-block; width: 20px; height: 20px;"></div> <div style="display: inline-block; width: 20px; height: 20px;"></div> </div>		Subject Initials <div style="border: 1px solid black; display: inline-block; padding: 2px;"> <div style="display: inline-block; width: 20px; height: 20px;"></div> <div style="display: inline-block; width: 20px; height: 20px;"></div> <div style="display: inline-block; width: 20px; height: 20px;"></div> </div>	
PHYSICAL EXAMINATION: Screening			Date and time of Exam: <div style="display: inline-block; border-bottom: 1px solid black; width: 100px; text-align: center;"> d d / m m m / y y y y </div> : <div style="display: inline-block; border-bottom: 1px solid black; width: 50px; text-align: center;"> 24 hr clock </div>		
Are there any abnormalities of the following based on the examination?					
Observations	No (X)	Yes (X)	Not Examined (X)	If Yes , briefly describe the abnormal findings:	
General Appearance	<input type="checkbox"/>	<input type="checkbox"/>			
Skin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
HEENT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Neck	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Chest	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Heart	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Abdomen/Pelvis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Extremities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Neurological	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

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Site <table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">X</td> <td style="padding: 5px;">X</td> <td style="padding: 5px;">X</td> </tr> </table>	X	X	X	Subject Number <table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">0</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> </table>	0			Subject Initials <table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> </table>			
X	X	X									
0											

PRIOR/CONCOMITANT MEDICATION/TREATMENT

Were any prescription medications/treatments taken within 14 days (within 7 days for over-the-counter medications) prior to Period 1 dosing through the Exit Exam?

No ☐ Yes ☐

If Yes, please record below.

If the medication/treatment is continuing, indicate by recording an "X" in the box marked "Med Cont." (Note: "Indication" for any medications/treatments administered specifically for an adverse event should be listed as the adverse event for which it was prescribed.)

Medication/Treatment	Total Daily Dose (include units)	Route of Administration	Dosage Form	Indication	Event Number (for AE meds only)	Date (dd / mmm / yyyy)	Med Cont. (X)																
						From <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td></tr></table> To <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td></tr></table>																	<input type="checkbox"/>
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ADVERSE EVENTS							
Were adverse events noted during the time from the signing of the informed consent through the Period 2 Exit Exam? No <input type="checkbox"/> Yes <input type="checkbox"/> If Yes, describe below.							
Adverse Event (one per line)	Date and Time of Onset and Resolution		Is the Adverse Event Serious? 1 = No 2 = Yes	Severity 1 = Mild 2 = Moderate 3 = Severe	Corrective Treatment 1 = None 2 = Hospitalized 3 = Medication/ Treatment (specify on Con Med page)	Outcome 1 = Recovered 2 = Recovered w/sequelae* 3 = Ongoing 4 = Death 5 = Unknown*	Relationship to Study Drug 1 = Unrelated 2 = Unassessable 3 = Unlikely 4 = Likely
	Date (dd/mmm/yyyy)	Time (24 hr clock)					
1)	Onset <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div>:</div><div></div><div></div></div>					
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Comment: _____							
2)	Onset <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div>:</div><div></div><div></div></div>					
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Comment: _____							
* If appropriate, please comment.							
Investigator's Signature				Date: <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> (d d / m m m / y y y y)			

Subject Identification STUDY # 850 Mallinckrodt Inc.

Site

X	X	X
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Subject Number

0		
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Subject Initials

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SUPPLEMENTAL ADVERSE EVENTS

Adverse Event (one per line)	Date and Time of Onset and Resolution		Is the Adverse Event Serious? 1 = No 2 = Yes	Severity 1 = Mild 2 = Moderate 3 = Severe	Corrective Treatment 1 = None 2 = Hospitalized 3 = Medication/ Treatment (specify on Con Med page)	Outcome 1 = Recovered 2 = Recovered w/sequelae* 3 = Ongoing 4 = Death 5 = Unknown*	Relationship to Study Drug 1 = Unrelated 2 = Unassessable 3 = Unlikely 4 = Likely
	Date (dd/mmm/yyyy)	Time (24 hr clock)					
_)	Onset 	:					
	Resolution 	:					

Comment: _____

_)	Onset 	:					
	Resolution 	:					

Comment: _____

* If appropriate, please comment.

Investigator's Signature

Date:

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<p style="text-align: center;">Site</p> <table border="1" style="margin: auto; text-align: center;"> <tr> <td style="width: 20px; height: 20px;">X</td> <td style="width: 20px; height: 20px;">X</td> <td style="width: 20px; height: 20px;">X</td> </tr> </table>	X	X	X	<p style="text-align: center;">Subject Number</p> <table border="1" style="margin: auto; text-align: center;"> <tr> <td style="width: 20px; height: 20px;">0</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table>	0			<p style="text-align: center;">Subject Initials</p> <table border="1" style="margin: auto; text-align: center;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table>				<p>NOTE: Repeated out-of-range vital signs that do not return to normal values are considered AEs and should be documented on the Adverse Events page.</p>
X	X	X										
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VITAL SIGNS: Period 1 Continued

Observation Time	Date (d d / m m m / y y y y)	Time (24 hr clock)	Blood Pressure (mmHg)		Pulse Rate (bpm)	Respiratory Rate (breaths/min)	Oxygen Saturation (%)																																				
			Systolic	Diastolic																																							
14 hours post-dose	<table><tr><td></td><td></td><td></td><td></td><td></td><td>2</td><td>0</td><td></td><td></td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>						2	0												<table><tr><td></td><td></td><td>:</td><td></td><td></td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>			:								<table><tr><td></td><td></td></tr><tr><td> </td><td> </td></tr></table>					<table><tr><td></td><td></td></tr><tr><td> </td><td> </td></tr></table>							
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16 hours post-dose	<table><tr><td></td><td></td><td></td><td></td><td></td><td>2</td><td>0</td><td></td><td></td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>						2	0												<table><tr><td></td><td></td><td>:</td><td></td><td></td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>			:								<table><tr><td></td><td></td></tr><tr><td> </td><td> </td></tr></table>					<table><tr><td></td><td></td></tr><tr><td> </td><td> </td></tr></table>							
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24 hours post-dose	<table><tr><td></td><td></td><td></td><td></td><td></td><td>2</td><td>0</td><td></td><td></td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>						2	0												<table><tr><td></td><td></td><td>:</td><td></td><td></td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>			:								<table><tr><td></td><td></td></tr><tr><td> </td><td> </td></tr></table>					<table><tr><td></td><td></td></tr><tr><td> </td><td> </td></tr></table>							
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25 hours post-dose	<table><tr><td></td><td></td><td></td><td></td><td></td><td>2</td><td>0</td><td></td><td></td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>						2	0												<table><tr><td></td><td></td><td>:</td><td></td><td></td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>			:								<table><tr><td></td><td></td></tr><tr><td> </td><td> </td></tr></table>					<table><tr><td></td><td></td></tr><tr><td> </td><td> </td></tr></table>							
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36 hours post-dose	<table><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>																			<table><tr><td></td><td></td><td>:</td><td></td><td></td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>			:								<table><tr><td></td><td></td></tr><tr><td> </td><td> </td></tr></table>					<table><tr><td></td><td></td></tr><tr><td> </td><td> </td></tr></table>							
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60 hours post-dose	<table><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>																			<table><tr><td></td><td></td><td>:</td><td></td><td></td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>			:								<table><tr><td></td><td></td></tr><tr><td> </td><td> </td></tr></table>					<table><tr><td></td><td></td></tr><tr><td> </td><td> </td></tr></table>							
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Subject Identification			STUDY # 850			Mallinckrodt Inc.		
Site <div style="border: 1px solid black; padding: 2px; display: inline-block;"> X X X </div>			Subject Number <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 0 </div>			Subject Initials <div style="border: 1px solid black; padding: 2px; display: inline-block;"> </div>		

BLOOD SAMPLE & DOSE LOG: Period 1 Continued

Sampling Time	Date (d d / m m m / y y y y)	Time (24 hr clock)	Comments
12 hours post-dose	2 0	:	
16 hours post-dose	2 0	:	
20 hours post-dose	2 0	:	
24 hours post-dose	2 0	:	
30 hours post-dose	2 0	:	
36 hours post-dose		:	
48 hours post-dose	2 0	:	
60 hours post-dose		:	
72 hours post-dose	2 0	:	

Subject Identification		STUDY # 850		Mallinckrodt Inc.	
Site <div style="border: 1px solid black; padding: 2px; display: inline-block;"> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">X</div> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">X</div> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">X</div> </div>		Subject Number <div style="border: 1px solid black; padding: 2px; display: inline-block;"> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">0</div> <div style="display: inline-block; width: 20px; height: 20px;"></div> <div style="display: inline-block; width: 20px; height: 20px;"></div> </div>		Subject Initials <div style="border: 1px solid black; padding: 2px; display: inline-block;"> <div style="display: inline-block; width: 20px; height: 20px;"></div> <div style="display: inline-block; width: 20px; height: 20px;"></div> <div style="display: inline-block; width: 20px; height: 20px;"></div> </div>	
IMPAIRMENT EVALUATION: Period 1			Date and time of Evaluation: <div style="border: 1px solid black; padding: 2px; display: inline-block;"> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">2</div> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">0</div> <div style="display: inline-block; width: 20px; height: 20px;"></div> <div style="display: inline-block; width: 20px; height: 20px;"></div> <div style="display: inline-block; width: 20px; height: 20px;"></div> <div style="display: inline-block; width: 20px; height: 20px;"></div> <div style="display: inline-block; width: 20px; height: 20px;"></div> <div style="display: inline-block; width: 20px; height: 20px;"></div> </div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-left: 10px;"> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">:</div> <div style="display: inline-block; width: 20px; height: 20px;"></div> <div style="display: inline-block; width: 20px; height: 20px;"></div> </div> <div style="font-size: small; margin-top: 2px;"> (d d / m m m / y y y y) (24 hr clock) </div>		
NOTE: A response of Yes to any of the following symptoms must be documented on the Adverse Events page.					
Symptoms	No (X)	Yes (X)	Comments		
Lightheadedness	<input type="checkbox"/>	<input type="checkbox"/>			
Dizziness	<input type="checkbox"/>	<input type="checkbox"/>			
Sedation	<input type="checkbox"/>	<input type="checkbox"/>			
Confusion	<input type="checkbox"/>	<input type="checkbox"/>			
Visual Disturbances	<input type="checkbox"/>	<input type="checkbox"/>			
Weakness	<input type="checkbox"/>	<input type="checkbox"/>			
Uncoordinated Muscle Movement	<input type="checkbox"/>	<input type="checkbox"/>			
Date/Time of release from the study site: <div style="border: 1px solid black; padding: 2px; display: inline-block;"> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">2</div> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">0</div> <div style="display: inline-block; width: 20px; height: 20px;"></div> <div style="display: inline-block; width: 20px; height: 20px;"></div> <div style="display: inline-block; width: 20px; height: 20px;"></div> <div style="display: inline-block; width: 20px; height: 20px;"></div> <div style="display: inline-block; width: 20px; height: 20px;"></div> <div style="display: inline-block; width: 20px; height: 20px;"></div> </div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-left: 10px;"> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">:</div> <div style="display: inline-block; width: 20px; height: 20px;"></div> <div style="display: inline-block; width: 20px; height: 20px;"></div> </div> <div style="font-size: small; margin-top: 2px;"> (d d / m m m / y y y y) (24 hr clock) </div>					

Subject Identification		STUDY # 850	Mallinckrodt Inc.									
<p style="text-align: center;">Site</p> <table border="1" style="margin: auto; text-align: center;"> <tr> <td style="width: 20px; height: 20px;">X</td> <td style="width: 20px; height: 20px;">X</td> <td style="width: 20px; height: 20px;">X</td> </tr> </table>	X	X	X	<p style="text-align: center;">Subject Number</p> <table border="1" style="margin: auto; text-align: center;"> <tr> <td style="width: 20px; height: 20px;">0</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table>	0			<p style="text-align: center;">Subject Initials</p> <table border="1" style="margin: auto; text-align: center;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table>				<p>NOTE: Repeated out-of-range vital signs that do not return to normal values are considered AEs and should be documented on the Adverse Events page.</p>
X	X	X										
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VITAL SIGNS: Period 2 Continued

Observation Time	Date (d d / m m m / y y y y)	Time (24 hr clock)	Blood Pressure (mmHg)		Pulse Rate (bpm)	Respiratory Rate (breaths/min)	Oxygen Saturation (%)																																							
			Systolic	Diastolic																																										
14 hours post-dose	<table><tr><td></td><td></td><td></td><td></td><td></td><td>2</td><td>0</td><td></td><td></td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>						2	0												<table><tr><td></td><td></td><td>:</td><td></td><td></td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>			:								<table><tr><td></td><td></td></tr><tr><td> </td><td> </td></tr></table>					<table><tr><td></td><td></td></tr><tr><td> </td><td> </td></tr></table>					<table><tr><td></td></tr><tr><td> </td></tr></table>			<table><tr><td></td></tr><tr><td> </td></tr></table>		
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16 hours post-dose	<table><tr><td></td><td></td><td></td><td></td><td></td><td>2</td><td>0</td><td></td><td></td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>						2	0												<table><tr><td></td><td></td><td>:</td><td></td><td></td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>			:								<table><tr><td></td><td></td></tr><tr><td> </td><td> </td></tr></table>					<table><tr><td></td><td></td></tr><tr><td> </td><td> </td></tr></table>					<table><tr><td></td></tr><tr><td> </td></tr></table>					
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72 hours post-dose	<table><tr><td></td><td></td><td></td><td></td><td></td><td>2</td><td>0</td><td></td><td></td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>						2	0												<table><tr><td></td><td></td><td>:</td><td></td><td></td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>			:								<table><tr><td></td><td></td></tr><tr><td> </td><td> </td></tr></table>					<table><tr><td></td><td></td></tr><tr><td> </td><td> </td></tr></table>					<table><tr><td></td></tr><tr><td> </td></tr></table>					
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Subject Identification STUDY # 850 Mallinckrodt Inc.

Site

X	X	X
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Subject Number

0		
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Subject Initials

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NOTE: Repeated out-of-range vital signs that do not return to normal values are considered AEs and should be documented on the Adverse Events page.

SUPPLEMENTAL ADDITIONAL/REPEAT VITAL SIGNS: Period 2

Observation Time Repeated	Date (d d / m m m / y y y y)	Time (24 hr clock)	Blood Pressure (mmHg)		Pulse Rate (bpm)	Respiratory Rate (breaths/min)	Oxygen Saturation (%)	Comments
			Systolic	Diastolic				

Subject Identification		STUDY # 850	Mallinckrodt Inc.
Site <div style="border: 1px solid black; padding: 2px; display: inline-block;"> X X X </div>	Subject Number <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 0 </div>		Subject Initials <div style="border: 1px solid black; padding: 2px; display: inline-block;"> </div>

BLOOD SAMPLE & DOSE LOG: Period 2 Continued

Sampling Time	Date (d d / m m m / y y y y)	Time (24 hr clock)	Comments
12 hours post-dose	2 0	:	
16 hours post-dose	2 0	:	
20 hours post-dose	2 0	:	
24 hours post-dose	2 0	:	
30 hours post-dose	2 0	:	
36 hours post-dose		:	
48 hours post-dose	2 0	:	
60 hours post-dose		:	
72 hours post-dose	2 0	:	

Subject Identification		STUDY # 850		Mallinckrodt Inc.	
Site <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">X</div> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">X</div> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">X</div> </div>		Subject Number <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">0</div> <div style="display: inline-block; width: 20px; height: 20px;"></div> <div style="display: inline-block; width: 20px; height: 20px;"></div> </div>		Subject Initials <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <div style="display: inline-block; width: 20px; height: 20px;"></div> <div style="display: inline-block; width: 20px; height: 20px;"></div> <div style="display: inline-block; width: 20px; height: 20px;"></div> </div>	
IMPAIRMENT EVALUATION: Period 2			Date and time of Evaluation: <div style="border: 1px solid black; padding: 2px; display: inline-block;"> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">2</div> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">0</div> </div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-left: 10px;"> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">:</div> <div style="display: inline-block; width: 20px; height: 20px;"></div> </div> <div style="text-align: center; font-size: small;"> (d d / m m m / y y y y) (24 hr clock) </div>		
NOTE: A response of Yes to any of the following symptoms must be documented on the Adverse Events page.					
Symptoms	No (X)	Yes (X)	Comments		
Lightheadedness	<input type="checkbox"/>	<input type="checkbox"/>			
Dizziness	<input type="checkbox"/>	<input type="checkbox"/>			
Sedation	<input type="checkbox"/>	<input type="checkbox"/>			
Confusion	<input type="checkbox"/>	<input type="checkbox"/>			
Visual Disturbances	<input type="checkbox"/>	<input type="checkbox"/>			
Weakness	<input type="checkbox"/>	<input type="checkbox"/>			
Uncoordinated Muscle Movement	<input type="checkbox"/>	<input type="checkbox"/>			
Date/Time of release from the study site: <div style="border: 1px solid black; padding: 2px; display: inline-block;"> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">2</div> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">0</div> </div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-left: 10px;"> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">:</div> <div style="display: inline-block; width: 20px; height: 20px;"></div> </div> <div style="text-align: center; font-size: small;"> (d d / m m m / y y y y) (24 hr clock) </div>					

Subject Identification		STUDY # 850	Mallinckrodt Inc.
Site <div style="border: 1px solid black; display: inline-block; padding: 2px;"> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">X</div> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">X</div> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">X</div> </div>	Subject Number <div style="border: 1px solid black; display: inline-block; padding: 2px;"> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">0</div> <div style="display: inline-block; width: 20px; height: 20px;"></div> <div style="display: inline-block; width: 20px; height: 20px;"></div> </div>	Subject Initials <div style="border: 1px solid black; display: inline-block; padding: 2px;"> <div style="display: inline-block; width: 20px; height: 20px;"></div> <div style="display: inline-block; width: 20px; height: 20px;"></div> <div style="display: inline-block; width: 20px; height: 20px;"></div> </div>	
PHYSICAL EXAMINATION: Exit			
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Date and time of Exam: : : </p> <p style="text-align: center; font-size: small;">d d / m m m / y y y 24 hr clock</p> </div> <div style="width: 50%;"> <p>Were any changes noted from Screening Physical exam?</p> <p style="text-align: center;">No <input type="checkbox"/> Yes <input type="checkbox"/></p> </div> </div> <p>NOTE: Any clinically significant changes in physical exam should be documented on the Adverse Events page. Please check and complete the requested information only for those observations which have changed from the screening assessment.</p>			
Observations	Briefly Describe Change from Screening	Clinically Significant?	
General Appearance		No <input type="checkbox"/> Yes <input type="checkbox"/>	
Skin		No <input type="checkbox"/> Yes <input type="checkbox"/>	
HEENT		No <input type="checkbox"/> Yes <input type="checkbox"/>	
Neck		No <input type="checkbox"/> Yes <input type="checkbox"/>	
Chest		No <input type="checkbox"/> Yes <input type="checkbox"/>	
Heart		No <input type="checkbox"/> Yes <input type="checkbox"/>	
Abdomen/Pelvis		No <input type="checkbox"/> Yes <input type="checkbox"/>	
Extremities		No <input type="checkbox"/> Yes <input type="checkbox"/>	
Neurological		No <input type="checkbox"/> Yes <input type="checkbox"/>	

Subject Identification		STUDY # 850	Mallinckrodt Inc.
Site <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">X</div> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">X</div> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">X</div> </div>	Subject Number <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <div style="display: inline-block; width: 20px; height: 20px; text-align: center; line-height: 20px;">0</div> <div style="display: inline-block; width: 20px; height: 20px;"></div> <div style="display: inline-block; width: 20px; height: 20px;"></div> </div>	Subject Initials <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <div style="display: inline-block; width: 20px; height: 20px;"></div> <div style="display: inline-block; width: 20px; height: 20px;"></div> <div style="display: inline-block; width: 20px; height: 20px;"></div> </div>	

SUBJECT DISPOSITION

Did the subject complete the study? No ☐ Yes ☐

If **No**, date discontinued:

d d / m m m / y y y y

If No, specify the primary reason for termination of the subject's participation below:

☐ 1. Adverse Event (check one box below)

☐ Subject Decision ☐ Investigator Decision ☐ Sponsor Decision

☐ 2. Lost to follow-up

☐ 3. Died on

d d / m m m / y y y y

☐ 4. The subject requested to be withdrawn from the study.
Specify reason: _____

☐ 5. Protocol violation(s)
Specify reason: _____

☐ 6. Other: _____

Site
X X X

Subject Number		
0		

Subject Initials

CLINICAL COURSE

Please provide additional pertinent clinical information and observations not reflected in this case report form in the space provided below. If additional space is required, attach typed pages.

[illegible]

I have reviewed this case report form and find the data to be complete and accurate to the best of my knowledge.

Signature _____ Date _____
Principal Investigator

(d d / m m m / y y y y y)