

MON	TUES	WED	THUR	FRI	SAT	SUN
PMSm		HCGm		2/4m 4/8e	8/16m 16/32e	
<i>PMSe</i>		<i>hCGe</i>		<i>2/4e</i>	<i>4/8m</i> <i>8/16e</i>	<i>16/32m</i>
	<b>PMSm</b>		<b>HCGm</b>		<b>2/4m</b> <b>4/8e</b>	<b>8/16m</b> <b>16/32e</b>
	<i>PMSe</i>		<i>HCGe</i>		<i>2/4e</i>	<i>4/8m</i> <i>8/16e</i>
<b>16/32m</b>						
		<b>PMSm</b>		<b>HCGm</b>		<b>2/4m</b> <b>4/8e</b>
<b>8/16m</b> <b>16/32e</b>						
		<i>PMSe</i>		<i>HCGe</i>		<i>2/4e</i>
<b>4/8m</b> <b>8/16e</b>	<b>16/32m</b>					
			<b>PMSm</b>		<b>HCGm</b>	
<b>2/4m</b> <b>4/8e</b>	<b>8/16m</b> <b>16/32e</b>					
			<i>PMSe</i>		<i>HCGe</i>	
<b>2/4e</b>	<b>4/8m</b> <b>8/16e</b>	<b>16/32m</b>				
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	<b>2/4e</b>	<b>4/8m</b> <b>8/16e</b>	<b>16/32m</b>			
					<b>PMSm</b>	
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					<i>PMSe</i>	
<i>HCGe</i>		<i>2/4e</i>	<i>4/8m</i> <i>8/16e</i>	<i>16/32m</i>		
						<b>PMSm</b>
	<b>HCGm</b>		<b>2/4m</b> <b>4/8e</b>	<b>8/16m</b> <b>16/32e</b>		
						<i>PMSe</i>
	<i>HCGe</i>		<i>2/4e</i>	<i>4/8m</i> <i>8/16e</i>	<i>16/32m</i>	
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m- morning; e-evening.

Exact hours must be calculated according to the division timing.

## TIMING OF EMBRYONIC DIVISIONS IN MOUSE

MII oocytes	13 – 14 h (after hCG) (no males)
Fertilization Cone stage	16.5 – 17 h
Early Zygote (G1 / S)	19 – 24 h
Late Zygote (S / G2)	26 – 28 h
1-cell → <b>2-cell</b> stage	28 – 30 h (20h cell cycle)
2-cell → <b>4-cell</b> stage [E2]	48 – 50 h (20h cc)
4-cell → <b>8-cell</b> stage [E2.5]	60 – 62 h (12h cc, compaction)
8-cell → <b>16-cell</b> stage [E3]	72 – 74 h (12h cc, morula)
16-cell → <b>32-cell</b> stage [E3.5]	84 – 86 h (12h cc, blastocyst)

2- to 16-cell stage: Duration of G1 → 0 – 1 h after division

S → 6 h after division

G2 →