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Research Models and Services
Time Mating Schedule

Time Mating Schedule

DELIVERY DAY: **MONDAY**	E 4 E 11	E 5 E 12	E 6 E 13	E 7 E 14	E 8 E 15	E 9 E 16	E 10 E 17
Start Whitten-effect (mice only)	Mon	Sun	Sat	Fri	Thurs	Wed	Tues
End Whitten-effect (mice only)	Wed	Tues	Mon	Sun	Sat	Fri	Thurs
Start mating 16.00 hours	Wed	Tues	Mon	Sun	Sat	Fri	Thurs
End mating 08.00 hours (= Day 0)	Thurs	Wed	Tues	Mon	Sun	Sat	Fri

DELIVERY DAY: **TUESDAY**	E 4 E 11	E 5 E 12	E 6 E 13	E 7 E 14	E 8 E 15	E 9 E 16	E 10 E 17
Start Whitten-effect (mice only)	Tues	Mon	Sun	Sat	Fri	Thurs	Wed
End Whitten-effect (mice only)	Thurs	Wed	Tues	Mon	Sun	Sat	Fri
Start mating 16.00 hours	Thurs	Wed	Tues	Mon	Sun	Sat	Fri
End mating 08.00 hours (= Day 0)	Fri	Thurs	Wed	Tues	Mon	Sun	Sat

DELIVERY DAY: **WEDNESDAY**	E 4 E 11	E 5 E 12	E 6 E 13	E 7 E 14	E 8 E 15	E 9 E 16	E 10 E 17
Start Whitten-effect (mice only)	Wed	Tues	Mon	Sun	Sat	Fri	Thurs
End Whitten-effect (mice only)	Fri	Thurs	Wed	Tues	Mon	Sun	Sat
Start mating 16.00 hours	Fri	Thurs	Wed	Tues	Mon	Sun	Sat
End mating 08.00 hours (= Day 0)	Sat	Fri	Thurs	Wed	Tues	Mon	Sun

DELIVERY DAY: **THURSDAY**	E 4 E 11	E 5 E 12	E 6 E 13	E 7 E 14	E 8 E 15	E 9 E 16	E 10 E 17
Start Whitten-effect (mice only)	Thurs	Wed	Tues	Mon	Sun	Sat	Fri
End Whitten-effect (mice only)	Sat	Fri	Thurs	Wed	Tues	Mon	Sun
Start mating 16.00 hours	Sat	Fri	Thurs	Wed	Tues	Mon	Sun
End mating 08.00 hours (= Day 0)	Sun	Sat	Fri	Thurs	Wed	Tues	Mon

DELIVERY DAY: **FRIDAY**	E 4 E 11	E 5 E 12	E 6 E 13	E 7 E 14	E 8 E 15	E 9 E 16	E 10 E 17
tart Whitten-effect (mice only)	Fri	Thurs	Wed	Tues	Mon	Sun	Sat
End Whitten-effect (mice only)	Sun	Sat	Fri	Thurs	Wed	Tues	Mon
Start mating 16.00 hours	Sun	Sat	Fri	Thurs	Wed	Tues	Mon
End mating 08.00 hours (= Day 0)	Mon	Sun	Sat	Fri	Thurs	Wed	Tues

In case Sundays and / or Holidays are involved, extra charges will be added to your order.

Please turn over for further information

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PREGNANT ANIMAL POLICY

Inotiv has established procedures in all production facilities to produce pregnant rats, mice, hamsters, guinea pigs, and rabbits. Timed pregnant rats and mice are determined by observation of a vaginal plug. In general animals are mated overnight from 16.00 until 08.00 hours. In case a timed mating (or preparation) need to be set up during Sundays and / or Holidays, we will charge € 120,00 extra, per order.

We use an Impedence Meter for determining the stage of estrus in rats. Plug date is considered to be day zero (0) of gestation. Due to the natural variation in the length of gestation, the exact day of parturition cannot be guaranteed; see policy below.

In addition, Inotiv cannot guarantee the number of pups per litter. Inotiv will not ship animals which are in the last stage of gestation (for mice over 17 days and for rats over 18 days upon arrival). In order to comply with UK guidelines, we cannot ship rodents >14 days of pregnancy at packing when sourced from UK.

If problems regarding gestational age or pregnancy are encountered, customers should immediately contact Inotiv's Customer Services Department and provide detailed information regarding the animals involved. Requests for credit and/or replacement animals may be declined if appropriate documentation is not provided to us.

Expected pregnancy rate schedule

STOCK OR STRAIN	TIME MATED < 13 DAYS GESTATION (AT SHIPPING)	TIME MATED ≥13 DAYS GESTATION AND OVER (AT SHIPPING)	UNTIMED PREGNANT ≥ 13 DAYS GESTATION (AT SHIPPING)
All Outbred Rats/Mice	*	90%	90%
All Inbred Rats/Mice	*	90%	90%

* Plug guarantee only; no guaranteed pregnancy. Plug date = Day 0.
** Untimed pregnant rodents will be selected from our breeding colonies on the basis of palpation or visual confirmation. A variation of 3 to 4 days gestation can be expected. Therefore Inotiv can not be held responsible for actual gestation and / or exact day of littering

To avoid charges, cancellations for time mated animals must be **received one week prior to mating date**.

FREQUENTLY ASKED QUESTIONS

What is a normal gestation period?

Average parturition range can be between 21-23 days in rats and 18-21 days in mice.

Variation in the length of gestation is a natural occurrence among individual animals of all stocks and strains. Gestational day and the stage of embryonic development may vary by ±2 days.

Are there variables that can affect pregnancy in animals?

There are many variables that can affect an animal's gestation period. Specific environmental factors can cause stress to the pregnant female animal, such as:

- Handling
- Lighting (photoperiod)
- Humidity
- Temperature
- Movement
- Vibrations
- Sound
- Smell
- Bedding
- Diet

Spontaneous abortion, resorption of pups, and cannibalism of the litter by the mother can result from these factors.

What are common variations with pregnant animals?

- Litter size
- Pup size
- Delay in the implantation period
- Location of implantation
- Stage of gestation
- Weight gained during pregnancy
- Length of gestation

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Tips for Time Mated Female Animal Orders

- It is recommended to order extra animals to account for natural variation among individual animals. As a guideline for both inbred and outbred animal models, order 1-2 extra time mated animals for every ten animals ordered.
- Upon receipt of female animals, place a small amount of bedding from the shipping box into the new cage to reduce acclimation stress.
- Extra bedding or enrichment material can be placed into cages to be used as nesting material.
- Place regular diet or rodent treats in the bottom of the cage.
- Females should be handled delicately when transferring them from their shipping box to their new cage.
- Minimize handling and noise levels during the acclimation period.

Females with litter

When ordering females with litter, you need to take into account that we can't ship litters which are < 5 days of age at packing. Deviation from this is possible in case delivery is within 24 hours from packing. When animals are sourced from UK, the minimum age of the litter need to be 7 days at packing. In case your research projects demands such litters, we advice you to order time mated pregnant rats, which can litter at your facility. See policy above.

Please be advised that due to post partum mating of some stocks or strains it cannot be prevented that the delivered female has been mated again and therefore can be pregnant. In case this turns out to be a problem in your research protocol, please submit your orders for female with litter well in advance.

The maximum numbers of pups per lactating female is 10 for outbred stocks, 8 for F1 hybrids and 6 for inbred and mutant strains.