Introduction
This paper gives detailed information on how to care for newborn domestic rabbits (i.e., up to 2 months old). I work only with foster rabbits and do not breed rabbits myself. Unfortunately, all too often, a newborn litter of rabbits is brought into a shelter, and that’s why I care for baby rabbits.

Note that I am not an expert. This is simply information I have gathered through the years.

Make the Nest Box
You may be caring for a female rabbit & not know that she is pregnant. Since a rabbit can get pregnant immediately after giving birth, if you are caring for a mother & litter, when the litter is about 28 days old, she may give birth to another litter. It is very difficult to determine if a rabbit is pregnant.

You may be able to feel the baby rabbits inside the adult female. Sit down with a blanket on your lap & quietly hold the mom on the blanket. Pet her calmly so she will sit quietly. Put your hands on her sides (or under her belly, if she will allow this). Hold your hands still for many minutes. Eventually you may feel kicking inside. It’s a small push but quick & rather distinctive.

If the adult female is pulling her fur or gathering hay into the litter box, although it might be a false pregnancy, assume she’s pregnant & make a proper nest box as described in this section. Put her collection of fur/hay into the new nest box. Also
supply her with more hay & shredded paper outside of the nest box so she can gather it & place it how she wants it. If she does not have babies a week after pulling fur, you can assume she is not pregnant.

If the babies come to you in an appropriate nest box, you can continue to use it. However, if the nest box is inappropriate, make a new one as described below. The mother might build her nest in a dirty litter box. This might happen if her caretaker did not know she was pregnant. This is an example of an inappropriate nest box. Another example is a nest box that’s too small or the sides are too low.

A clean plastic litter box makes a good nest box. You can also use a wooden box, but it’s harder to clean. Or you can use anything that has straight sides & is heavy enough so the mom can’t tip it over. A cardboard box lid or cardboard box could also be used, but the mom might accidentally tip it over & they can get smelly. There are also metal nest boxes available commercially. They are ok to use, but might be too cold if not using a heating pad & too hot if you are using one. Having a lid on the nest box makes it harder to check on the babies. For a large rabbit (e.g., CA, 9 lb), 14”x14” is not big enough. Mom’s back feet will be outside of the box while feeding. The nest box should be just a bit larger than the mom. If it’s too large, the babies might get separated & get cold or miss a feeding.

If the sides are high enough, this will help prevent the newborns from being dragged out of the box if they hang on during nursing when the mother leaves. It will also help prevent the babies from crawling out. If using a plastic litter box, try to get one with high sides. If the sides are too low, or if the sides are high but the front is low, use cardboard that is higher than the sides & use binder clips to attach the cardboard to the sides of the litter box. For instructions on how to do this, see: [http://curiousbunny.com/nest_box_how_to.pdf](http://curiousbunny.com/nest_box_how_to.pdf).

You can use soft fabric in the nest box. Soft fabric is: fleece; velour; flannel material (sheet, pillow case or shirt); soft cotton receiving blanket or T-shirt. Do NOT use terry cloth fabric with newborns. They can get their legs caught in a thread that has pulled out & it can cut off circulation. For the same reason, do NOT use any fabric that has loose threads or frayed edges. Do NOT use any fabric that is hemmed with a very loose stitch (or cut it off before use). Also, do NOT use any fabric that has holes in it (the babies can get caught in the holes.) It’s handy to use light colored fabric. That way, if there is a diarrhea issue, it’s easier to see.

Before placing the newborns on any fabric, warm it first in the microwave or the dryer. In the bottom of the nest box, put in several layers of a soft fabric. Do not fold the fabric, as the babies could get stuck in the folds. Lay it flat & then scrunch the sides so it fits in the nest box. This keeps the center flat. Do not cover the newborns with fabric; it might block them from nursing. Use fabric only on the sides & bottom.
Instead of fabric, you could also use soft hay, like timothy. Add the hay & make a depression in the back. The depression keeps the babies together. Don’t fill the nest box with the hay. If you do, then the babies can crawl out. Use just enough hay to keep the babies together.

Transfer the newborns & all nesting material that they came with them into the prepared nestbox, all in one fell swoop. The nesting material often includes the fur that the mother pulled to make the nest. Transfer as much of the fur as you can. You can also add Carefresh Ultra if you want, as it is soft. But the fabric & the mother’s fur are generally enough.

If the babies are not completely covered by the fur from the mother, add shredded newspaper. Make the shredded paper with a shredder (not ripping up paper by hand, as that usually does not make thin enough strips). Strips less than 12” long are best. Otherwise, they might get wrapped around the babies. In addition, you can also add cotton balls. The shredded paper keeps the cotton balls above the babies. You can also add fake fur that’s available commercially. One such product is called “litter saver nest filler”, by KW cages (http://clover.forest.net/kwcages/index.html). Or you can groom the mother & put that fur into the nest box. This will help keep the newborns warm.

If the mom is trying to add more material to the nest box (e.g., she’s putting hay into it), put shredded paper into the cage (not the nest box) so she can put it into the nest box as she sees fit. Be sure she has hay or straw available in case she wants to use that.

Once you have the babies in a clean nest box, it’s best not to disturb the nest until they open their eyes. However, after about 5 – 7 days, it might get pretty stinky. If that happens, then you should clean the nest box. If you can smell urine/ammonia, it’s time to clean the nest box. Do this quickly & re-use as much of the mother’s fur & other nesting material as possible. Add shredded newspaper if needed. See “Handling the Newborns” for information on keeping them warm while cleaning the nest box.

**Prepare the Cage**

Put fabric on the bottom of the cage, e.g., a cotton rug or towel. It’s ok to use terry cloth fabric here, if there are no loose threads & no holes in it.

Keep the litter box clean. Put it in the opposite corner from the nest box. There may be some poop from the mother in the nest box. That’s good, as the babies may eat it, which helps to provide bacteria for their gut. However, don’t let a lot of poop build up in the nest box. The babies also get good bacteria from eating the cecals from the mother.

If the area where the cage is has a temperature of less than 75 degrees F., cover the cage (top, sides & back) with a sheet. This also gives the rabbits privacy. At night, put a
small comforter on the top. Keep the sheet on at least until the babies are 10 days old. You can also keep it on longer if you wish.

If you get a mom who seems stressed, even if the babies are older than 10 days, & even if the temperature is over 75 degrees F., you can use the sheet as described above to give her some privacy & help her to relax. If the mom is stressed, she might not feed her babies.

If the cage is in a shelter (or other high traffic area), cover all sides with a sheet or towel. This helps prevent the mom from being startled by the hustle & bustle of the shelter. Put a big sign on the cage saying, “Newborns, Do Not Clean,” or use wording your shelter has approved. The sign is for the regular shelter staff. People who know how to care for the newborns can clean the cage as needed.

Put a heating pad, on low, under the cage (i.e., not in the cage). Place the heating pad so it’s half under the nest box. That way the newborns can go to a warmer or cooler spot in the nest box. Some say to use a heating pad only if room temperature is lower than 65, as too much heat can be fatal.

It’s best when the sides of the cage are solid (as opposed to wire) from the bottom up to about 6 inches. If the babies get out of the nest box, & the sides of the cage are wire, the babies could fall through the wire. If you only have a cage with all wire sides, weave newspaper through the wire to block the sides, up to about 6 inches.

If the mom is cage protective or a bit freaked out, put her into a carrier before doing things in her cage.

The cage should be in a quiet area, away from noisy adults & children & pets. There should also be no loud noise or music. Keep human activity to a minimum around the cage.

**Care of the Mother**

Either at a shelter or in your home, a female rabbit may unexpectedly give birth to a litter. If this happens, the mother will stay in the nest box until all babies are born. She will clean the babies, eat the placenta (even though they are vegetarians) & eventually jump out. Don’t confuse eating the placenta with cannibalism. At this point, you should check the nest box. Remove any dead babies & any placenta that is left.

In some cases, e.g., when a mother gives birth in a shelter, you might want to move the mother & newborns to a better care facility. It’s best to wait at least 24 hours before the move, to let the mother & litter rest a bit. If she’s getting proper care, it’s even better to wait 5 days. But if she is being cared for by people with no knowledge of newborn rabbits, move them as soon as possible.
If there are any other rabbits in the cage, even if they are bonded, remove them as soon as possible, so the mom & babies can be alone. If there is more than 1 adult female in the cage & you aren’t sure who the mom is, the real mom might have blood under the tail or on the inside of her back legs or have swollen nipples. She might also be the one staying in the nest box. She might also have pulled her fur so it will be very thin on her belly & sides. And, of course, she’ll be the one nursing the babies. If in doubt, leave any females you think might be the mom in the cage.

If you have more than 1 female in a cage & you see nest building activity, separate all the females from all other adults, even if they are bonded. If one gives birth, she should have her own space, as other adults might accidentally hurt the newborns. You will also know who the real mom is.

If you have to separate rabbits who are bonded, it’s best if they can still interact through the bars of a cage, so they can still get support from each other. This will also make it much easier to put them back together after they are spayed/neutered.

Give the mother unlimited alfalfa pellets & unlimited alfalfa hay. Pellets can be Purina red bag. Purina green bag is even better. Or you can use Oxbow 15-23. If you can’t find alfalfa pellets or hay, ask the House Rabbit Society.

Give her fresh greens (e.g., romaine, spring mix), 2-3 cups (or pack a 5”x5” bowl) twice a day. If she seems interested in more greens, each day you can gradually give her more, as long as her fecals do not get soft. You can give the greens throughout the day. Make sure they don’t sit around so long that they wilt or get rotten. You can also give her a small bit of carrot. Do not give her cilantro, bok choy, herbs or anything from the cabbage family as they have a strong taste & may make the milk taste weird & then the newborns may not drink it (Note: some people feel there’s no problem in feeding her the foods listed above).

Some moms are very thin. If that is the case, you can try to get her to gain some weight by giving her some oat groats. Give her 1 teaspoon (6 grams) of oat groats twice a day. She will love them. Make sure the babies do not eat them.

Give her unlimited water. A water bottle is best. If you use a bowl, the babies can get in the bowl & drown or get wet & die from hypothermia. If you must use a bowl, check the cage frequently, as the babies can get out of the nest box at any age. But definitely remove the bowl when the babies open their eyes (at 10 days), as they will then be running all over the place.

Check to make sure mom is eating, drinking & eliminating normally.

Check the fecal pellets of the mother for pin worms. They look like tiny string or hairs that flop around.
The mother will usually only spend time with her babies when she is nursing, which is only 1 or 2 times a day & lasts for only about 5 minutes. The rest of the time she will be away from her babies. This is natural, so don’t think that she is ignoring her litter.

The mother should get exercise every day. At least 1 hour. Put her in an exercise pen or in a rabbit safe room. Since the mother spends so little time with her babies, no need to worry about her being away during exercise time.

You can even give her exercise time away from her babies for many hours. If she’s exercising when she would normally nurse her babies, when she is returned to her babies, she will generally nurse them as needed. However, in rare cases, if mom is away during what she considers nursing time, then she won’t nurse her babies. I had a mom out late at night & found the babies were not gaining weight. When I put the mom back in earlier in the evening, then I saw her nursing. That’s why it’s important to weigh the babies every day, so you can make sure they are gaining weight every day.

In her cage, give her toys. Pet her frequently throughout the day, so she gets some social interaction.

Make sure her nails are clipped so she won’t accidentally injure the babies.

**Handling the Newborns**

Before touching the babies, wash your hands using soap (preferably non-scented) & warm water & dry thoroughly. The natural bacteria on your hands could harm the babies (whose immune systems are not yet developed). This also warms your hands. Do not use any scented soap or scented lotion on your hands & do not use strong perfume. Do not touch the babies to your face or kiss them. Doing so could transfer harmful bacteria to them. The time period for being vigilant about keeping everything clean is until they are 10 days old. After that, kiss away.

When reaching into the cage, pet the mother first, with both hands. This will comfort her. It will also get her scent on your hands. This will make it better when you handle the babies. After handling the babies, pet the mother again, to reassure her. If the mother seems stressed when you reach into her cage, put her into a carrier before you do anything in her cage.

When you handle newborns, do your task quickly so you can return them to their nest as soon as possible. They chill quickly. It is important to keep the babies warm. If they cool off a bit, they have to expend energy to keep warm. It is better for them to expend this energy in growing. Thus if they feel warm, you might think things are fine & be slack about keeping them warm. But if you haven’t followed these steps, they may be expending too much energy in staying warm. Also, if the babies are cold, they cannot
digest food. The time period for being vigilant about keeping them warm is until they are 10 days old.

If you need to remove them from the nest box for more than a minute, wrap them in soft fabric. If you need to set the babies down outside of the nest box (e.g., to take a photo), only put them on warm, soft fabric. If you need to take the babies out for awhile (e.g., if you have to clean the nest box), put them into a basket that is lined with soft fabric. Put soft fabric on top of them. Put the basket on top of a heating pad.

From 0 – 10 days, only 1 person should handle the newborns. If need be, an experienced person can also handle them.

They can “pop” like popcorn at any time. This means that even when they are sitting very still in your hand, they can, without notice, jump up several inches. If you are not prepared, they can easily jump out of your hand. So, at ALL times, when you have a baby rabbit in your hand, be sure your fingers (or the other hand) are over the baby.

Also, they might pee when you handle them, so don’t hold them over anything you don’t want to get soiled. Even little ones can produce quite a stream. I’ve been squirted in the face quite a few times.

**Care of the Newborns**

Check the nest box to see if there is any fecal from the newborns (the mother will sometimes lick them clean after feeding so there may be none). If there is diarrhea, or if the fecal matter is green or stinks, that’s a problem.

The babies should be checked twice a day. Check their bellies to make sure they are round. The skin should not be wrinkly over the belly. You might be able to see some white which is milk in the stomach, or at least see some translucent spots. The belly should be much wider than the head. There should be no diarrhea. They should be warm. They should move a lot when handled, but sleep otherwise. Areas with no fur should be pink (not bluish). They should be quiet most of the day. If they cry most of the day, they are not being fed enough. The handling gets them used to humans & makes them more adoptable. You can even handle them three times a day.

Even when they are older, up to 2 months old, take 5 seconds a day to check their undersides. Check the bottoms of their feet (to make sure they haven’t stepped on something) & the whole underside. Check their anal area to make sure poop is not stuck there (it can make a mess) & there is no diarrhea. Very carefully trim the hair if need be. Check their nose & under their chin (looking for injuries, dirt & wetness). Also check the eyes.

If you don't want to turn them over & do the check as described above, you can still check them daily by putting your hand under their tail to feel for matted/poopy fur
around their anus. This check takes only 2 seconds & can quickly tell you if they have poopy butt.

If a rabbit is eating (i.e., actively chewing), be sure it has finished before you turn it on its back. You don’t want it to choke on its food.

Newborns should always feel warm. If they are cold, this is very bad. Warm them up as soon as possible. If MANY babies are cold, fill a bottle with warm (not hot) water, wrap it in a thin towel, & place it in the nest box. Or fill an old sock with uncooked rice, secure the top & microwave it & place it in the nest box. Or use a gel or ceramic type heating pad (no electrical cord) in the nest box. Or use an electrical heating pad under the nest box.

If ONE baby is cold, immediately wash your hands in warm water to warm your hands, then take the baby out & warm it in your hands, next to your body, or in your pocket or bra, while you prepare the following. Warm up some soft fabric, either in a dryer or in a microwave. Wrap the baby in the warm fabric & place him on a heating pad. Then cover everything with another towel, for insulation. If you don’t have a heating pad, you can use a bottle of warm water or a sock filled with rice (see above). You might want to do all of this on your lap. Time is of the essence. Wait 2 minutes & then check on him.

If a newborn is cold, do not let him nurse. It will take too much of his energy. He should be using his energy to get warm. Do not feed him by hand, as the food will just sit in his stomach & not be digested. Feed him only after he has warmed up.

Sometimes a mother will make a nest in the litter box. If the litter box has wood pellets in it, then the wood dust might get into the babies’ noses. If you see this, you may gently wipe the nose with a DRY Q-tip.

Weigh them once a day for about 10 days. Or weigh them until they reach a pound. It’s handy to use either a kitchen scale or a postal scale.

Once their eyes open, when taking pictures, do not use a flash, as it can hurt their eyes.

The mom cannot move her babies. When they are about 11 – 12 days old or YOUNGER, if they get out of the nest box, they will get cold & die. The cage should be checked at least 3 times a day to make sure all the babies are in the nest box. If any are out, they should be put back in. If they feel cold, they should first be warmed (see above) before putting them back in. When I have a litter of newborns, I’ll often wake up in the middle of the night to check them to make sure none are out of the nest box. I’ll do this until they are about 4 days old.
When they are about 11 – 12 days old or OLDER, if a baby gets out, then it’s time for all babies to be out. The one who is out might not be able to get back in & then might miss a feeding. So, at this age, when one baby is out, to make sure all babies are together for a feeding, remove the nest box & add a hidey box. If the fabric from the nest box is not too stinky, but it under/in the hidey box for a few days. This will give the babies a familiar scent, which will ease their transition out of the nest box. At 15 days old, remove the nest box even if no babies are out. If they stay in too long, they might get an eye infection.

Once the babies are running around, if they are in a cage (rather than an Xpen), the mom will have a hard time getting away from them. They will try to nurse from her constantly. To give the mom some relief, make a platform so she can jump up onto it, but make it high enough so the babies cannot follow. One way to do this is to put a hidey box in the cage with a flat top that is large enough for the mom. She can then jump up on top of the box to get away from the babies when she needs too. If you use the hidey box, you can remove the nest box to make room.

The mom will sometimes hang out in the litter box to get away from the babies. If that is the case, be sure she can reach her food pellets/hay/water from the litter box.

When babies leave the nest box, supply a low food dish. Babies will often sit in the food dish & poop & pee in it. You then have to throw out all the food. Because of this, it’s handy to use small food dishes. That way, only food in one dish has to be tossed. Be sure to have enough dishes so they have food all the time.

You can start feeding the babies lettuce at 3 – 4 weeks of age if they have no diarrhea & no medical issues. Give a small amount of just 1 type of lettuce (but not iceberg) for a few days. This makes sure they are not allergic to that type of lettuce. If all is ok (i.e., they do not have soft stools), you can then add another type of lettuce. Some say if the mom is present, you can feed lettuce to the babies at any age.

When the babies are about 2 weeks old, they can get out for exercise. If you use an exercise pen (Xpen), be sure to supervise them for awhile to make sure they cannot get out between the bars. I’ve noted that if the bars are 1-3/8” apart, the babies can get out when they are about 1.75 pounds (844 grams). To prevent this, attach baby bumper pads (that are used in a human baby’s crib) along the bottom edge of the pen. Attach them to either the inside or the outside, whichever works for you. Or you can cover the lower slots in the Xpen by weaving cloth thru it. You can also cover it with wire mesh or cardboard.

If there is only one baby, he won’t have any siblings to snuggle with. In this case, supply a small fake sheepskin rug & a stuffed animal that he can cuddle up to.

Problems with Feeding
If you have concerns about the babies not getting enough milk, turn the mother over & examine her nipples. “Milk” the nipple to see if there is any milk or clear liquid. To do this, place your thumb & fore finger at the base of the nipple. Roll your fingers towards the tip.

If the mother has no milk, sometimes the nursing action from the babies starts the milk production.

Rabbits are capable of having litters 1 month apart. When this happens, the second litter might be less healthy, as the mom’s resources have been depleted. It also might be more difficult for her to produce enough milk. Also, the smaller the baby, the less energy reserve it has. Thus, if a baby from a mother who is 2 pounds is struggling to eat, it will go downhill more quickly than a baby from a mother who is 5 pounds.

If you think the babies are not eating enough, here are some ways that might help.

Put hay in the nest box, along the side. This might tempt the mother to enter the nest box.

Put the mother in the nest box. To keep her there, pet her or hand feed her with her favorite food. If she wants to jump out, do not hold her down.

If the mother did not pull much fur, the nipples might be covered in fur, making it hard for the babies to nurse. If you think this is a problem, you can use blunt nosed scissors to cut the fur away from the nipples. Only attempt this if you have a very steady hand. Be extra careful not to injure the nipple. A rabbit’s skin is very thin.

It is tricky to know when to intervene with feeding. It is best to have the mother nurse the babies. While a baby can live 3-4 days without food, if it goes even one day without food, it might be too weak to nurse & will slowly die. Babies should gain weight every day. If they have lost weight one day, you might consider supplemental feeding. If the belly is wrinkled, you might consider supplemental feeding.

In some cases, the baby might not have any energy to nurse. In this case, using a syringe, put 1/2 drop of pure fruit juice (e.g., orange juice, no sugar), at room temperature, on their lips so they can lick it off. Wait 2 minutes. This will increase their blood sugar to give them enough energy to nurse or to accept supplemental feeding.

If the babies are still not getting enough to eat, there are several more options. One option is to give them a private feeding with the mother (see Private Feeding With Mom). Another option is to hand feed them (see How to Hand Feed with a Syringe). Yet another option is to find another nursing mother that can help (see Caring For Orphaned Babies). A final option is to have a vet or experienced caretaker tube feed
them. The tube is placed into the stomach so the food can’t be aspirated, but this is a very difficult maneuver.

**Private Feeding With Mom**

There may be one or more babies who are weaker than the others & are not getting enough milk during the mad dash at nursing time. In this case, it may help to give them private feedings with mom (as described below). But there's more to it than just placing the baby next to mom. The milk is not ready to come out at all times. There's a process to let the milk come out (this is called let-down of the milk, let down of the milk or let-down reflex).

I've noticed that when there are no issues with nursing, when it's time to nurse, mom will run in circles around the room. The babies know it's feeding time & they give chase. Mom will stop & the babies will try to nurse. But mom will then thump her hind legs & run some more. This is repeated many times. She will then stop & allow them to nurse. While I have not read this any place, I'm convinced this helps to let-down the milk. In addition, the stimulation of the babies trying to nurse (& pounding with their tiny paws) helps to let-down the milk. Thus, before you give a private feeding, you should get the mom to run around (as described below). Also, even if only 1 baby is weak, it's best to have 3 feeding at once, to help stimulate the flow of milk.

I have tried private feedings without the initial running around of the mom & with only 1 baby many times but the baby's stomach never gets full. I'm told it still might be useful, as even a small amount of milk can help. But it seemed to be a lot of effort on everyone's part with not much to show for it. After I used the technique of getting the mom to run around & always using 3 babies, I finally saw the bellies get full. What a joy to see.

Here are some suggestions to get the mom to run around to help let-down the milk. Most of these suggestions are ways to slightly irritate her so she'll run away. You may think that this is stressful for the mom, but I have found it's just a slight irritation & it's needed to let-down the milk, which is much more important. Do this so she runs around for several minutes.

Put the mom in a room (rather than a cage) so she has room to run around. If she doesn't like to be picked up, pretend to attempt to pick her up so she'll run away. If she doesn't like bare floor, put her on bare floor so she'll run to nearby carpeting. If she doesn't like to be combed, comb her & let her run away. Stamp your feet & clap your hands. Put her in an unfamiliar area so she can run back to her home base. Scratch her back just above her tail. Gently wiggle her tail. Put your hand under her belly, feet or chin (many rabbits do not like this). Vigorously rub her fur in all directions.

Immediately after getting the mom to run around for a few minutes, start the private feeding. Thus, you will transition from "slight irritation" to "very calm".
When giving a private feeding with the mother (several options described below), keep the mother calm by continuously petting her forehead, from just above the nose to the base of the ears. It may also help to cover her eyes with a cloth.

If the baby is extremely weak, give fruit juice as described above under "Problems with Feeding".

Sit on a chair. Put a heating pad on low in your lap, spread your legs slightly apart & push the heating pad down so it lines the gap. Put some warm soft fabric over the heating pad. Hold the mother on your legs so her belly is over the gap. Then put the newborn under the mother, in the gap between your legs. It may be able to nurse in this position. Note that even though it looks & sounds like it are nursing, this may not be the case. It might be going through the motions, but it might not actually have the strength to get milk into its stomach.

An alternative to this position is to put the mother on a couch. You then have more flexibility to move around & can watch what’s happening better. On the couch put down a heating pad on low, a soft fabric & then put the mother on this. Then put the newborn under the mother for it to nurse. If she doesn’t hold herself up & the newborn is having trouble getting underneath, fold towels many times to make them thick. Put one under the mother’s front paws & one under her hind paws. This will raise her up a bit. Pet the mother to keep her in place.

Another option is to hold the mother upside down (i.e., on her back). Then put the newborn on her belly so it can find a nipple. To save the baby’s energy, when it looks for a nipple, place it right next to a nipple. Push the fur away from the nipple to make it easier for the baby. You can also “milk” the nipple to get some milk on the tip of the nipple (see Problems with Feeding). That way the baby just has to lick.

Be very careful. The mother might be still for awhile, but then suddenly kick her hind legs. This might send the newborn flying off. She could also accidentally scratch it if she kicks. So be sure to watch her hind legs at all times. You might want to cover her hind legs with a cloth or lean over & put your chest on them to help prevent her from kicking.

After 5 minutes, check the belly of the newborn. If the belly now looks full, it is getting milk & you can let it nurse until it stops on its own. If after 5 minutes the belly is no bigger than before, it is not getting any milk. Do not let it continue to try to nurse. This will just wear it out. If this is the case, you will have to hand feed it (see below). If the hand feeding works, this will give it nutrition, but it takes less energy than nursing. However, mother’s milk is always better than formula. Sometimes hand feeding it just one time will give it enough energy so it can then nurse. Other times, you will have to hand feed it more times.
After feeding, if their eyes are still closed, stimulate the anal area for 1 – 2 minutes by rubbing with a warm moist towel (or moist cotton ball or wet finger). This helps them pee and poop. Some people do this stimulation before feeding. If this is not done, they might get an over stretched bladder, which would give them medical problems when they get older.

If the baby wasn’t able to nurse, wait an hour. Then give it a bit of fruit juice again & try nursing again. If the baby was able to nurse, at its next feeding, no need to use the fruit juice again.

If the private nursing with the mother did not make the newborn’s belly full, it’s tempting to “wait another day” before you try hand feeding. This could be a fatal mistake. A newborn can be very active which gives the impression that it has enough energy. This is deceptive. Newborns can be very active but they can still lack the energy to nurse. If the newborn goes a day without food, it can get weak very quickly. Nursing takes a lot of energy. If it didn’t have enough strength to nurse one day, it will have even less strength the next day & will probably not make it. It is best to hand feed to give it strength so it can nurse next time.

If you are putting the mother & the newborn together like this for feeding, you may do it up to four times a day to begin with. It takes a lot of effort for a newborn to nurse. If you do it more often, it might take too much energy. If things are going well, you may be able to reduce the private feedings to twice a day.

Note that even when feeding well, newborns will spend only a few seconds at one nipple & then move to another.

**How to Hand Feed with a Syringe**

If a baby is not nursing or if the baby is not getting enough milk, you might have to syringe or bottle feed the baby. Some people use a bottle for feeding but there is less control & you can’t measure how much was consumed. These instructions are for syringe feeding. When syringe or bottle feeding, it is easy for the babies to aspirate the formula, which could cause them to die, so one must be very careful.

When hand feeding, keep a suction bulb nearby (the kind used for infant ears). If the baby aspirates, use the bulb on the nose immediately to extract the liquid.

Some say to use a plastic sterilizing steam bag (available at most pharmacies) to sterilize the syringe. Or you can wash the syringe in hot soapy water & rinse well.

For very young babies (1 - 5 days old), use a small syringe (1 cc) or a catheter tip syringe. A catheter tip syringe has a curved tip & is very thin at the end, getting wider towards the body. If it’s too thin, you can cut the tip off a bit where it’s larger. For a bit older
babies (5 - 10 days old), use a small syringe (1 cc). For older babies, you can use a larger syringe (3 cc or larger).

There is not a specific formula to buy for rabbits. Many people use KMR (kitten milk replacer, from a pet store), made by PetAg (http://www.petag.com/). Others use a Day One 32/40 from Fox Valley (http://www.foxvalleynutrition.com/). For kittens, PetAg recommends 1 part powdered KMR and 2 parts warm water to get liquid. While some people use tap water, others use distilled or boiled water (bring to rolling boil & then let cool). Then, using 4 parts of this made up formula, add 1 part heavy whipping cream. Mix the ingredients & shake well or stir with a fork or whisk (do not use a blender).

If you use a blender, fat will come out of solution & form small balls (like making butter). When they stick to the sides of the container, the rabbit will not be getting the fat it requires. If the fat balls are small enough to be suspended & they get into the rabbit, they still might be too large for the rabbit to digest. They will just sit in the stomach & cause major digestive issues.

Note that if you mix powder to liquid 1:2, the final volume will be the volume of the original liquid. For example, using 1 T powder & 2 T water will give 2 T of formula.

For example, mix 2 T powder and 1/4 c water (4 T) to get 1/4 c (4 T) of mixture. Then add in 1 T heavy whipping cream. Note that 1 T powder, mixed with 2 T water, weighs about 34 grams (1.2 oz.).

Many people use the kitten formula as described above (1:2). However, for rabbits, PetAg recommends a formula of 1:1 (1 part powder to 1 part liquid), since that more closely matches the % solids in rabbit’s milk (& then adding the cream as described above). This may be more healthy for the baby rabbit & it would also require less feedings per day (since it’s more concentrated), but I have not heard of anyone using this formula. If anyone uses this formula, I would be very interested in knowing how it works out.

Pour out an amount of formula you think you’ll use for that feeding into a small container. Put the rest of the formula into a sealed container & refrigerate it. Mark the date on it so you know when it expires (read the formula container for specifics). For the portion you will be using for the current feeding, heat it in the microwave until just barely warm (test on the inside of your wrist); don’t make it too hot.

It’s good to keep one hand on the baby when re-filling the syringe. Thus to hold the small container that contains the formula, put it into a slightly larger container (e.g., a berry basket) lined with a wash cloth. This helps to prevent the container from moving or spilling & you can also arrange the cloth so the container is tilted to make it easier to get the last of the formula.
The solids in the formula settle quickly. Stir the formula with the syringe each time before filling. Fill the syringe & knock the bubbles out. Wipe the syringe off before feeding the bunny.

On a table, place a heating pad set to low. Cover that with soft fabric. It’s easiest to have the baby rabbit at eye height so you might want to put the heating pad/fabric on a box. Be aware that babies can jump at any time so be sure they don’t jump off of the box. Get comfortable in your chair, as this might take awhile. Put the baby rabbit on the fabric. The rabbit should be in its normal sitting posture (4 feet on the ground), not on its back (i.e., not like feeding a human baby; they can aspirate in that position too easily). If need be, lift the front portion of the rabbit’s body so you can access the mouth.

If the newborn is very young or small, another holding option is to wrap it on a small soft fabric. Then hold the newborn vertically, right at eye level, so you can see what you are doing. Keep the baby on a heating pad if you set him down.

Put the syringe into the side of its mouth (in the gap between the front teeth & the molars) & eject a small amount of formula. Be sure the syringe is pointed down or to the side (not towards the back of the throat), so the baby does not aspirate. This tends to keep the face clean & to prevent the formula from going up the split in the lip & into the nose. Also, if the baby holds the formula in his mouth before swallowing, this tends to make him chew the syringe (especially if you wiggle it a bit) which makes him swallow.

Another option is to depress the plunger of the syringe just so you can see a small drop of formula coming out. Put the tip of the syringe on the lips or inside the lips a bit (e.g., on the teeth). The baby will then “lick his lips” & thus eat the formula.

Another option, especially after the eyes are open, is to place the syringe near its mouth & squeezed slowly. The baby might lap it up from the syringe tip. This makes the feeding go quicker.

Feeding a very young baby (1-4 days old) with a syringe is very tricky. When feeding a baby this young, it is best to put the syringe in the gap in the teeth, as explained above. If the formula moves up the split in the lip, wipe the mouth/nose with a tissue before giving more formula. To clean up quickly, in the hand that’s holding the baby, hold a tissue between your fingers. That way, you can quickly use the other hand to fold it over & wipe his face. That’s quicker than having to pick up a tissue each time.

Another option a very young baby (1-4 days old) is to put the formula on your finger & let the baby lick it off. You can also use the option (described above) of putting a drop of formula on his lips or teeth, but it’s much more likely to get formula in his nose that way.
To use the syringe, hold the syringe body with the thumb & first finger, with the end of the plunger resting in the palm of your hand. Move your thumb & first finger toward the palm of your hand to depress the plunger. This position makes it easy to deliver a small & precise amount of formula.

Another option is to place the first & second fingers on the tabs of the body & the thumb on the end of the plunger. Some find this too hard to control.

For some syringes, the rubber on the plunger might stick so the delivery is in spurts. You can lubricate the rubber on the plunger with pediatric simethicone suspension. Put 1 drop into the syringe body, near the opening. If you put the drop on the rubber part of the plunger, it will just rub off when you insert it into the body. Move the plunger up & down in the syringe to spread the simethicone around.

When finished, record how much was eaten. Wipe the baby’s face with the wet towel (if eyes are closed, use a dry tissue). Be sure to wipe under the chin & the front paws. The formula is very sticky so none should remain on the baby’s body. If you want to, you can weigh the baby before & after to see how much the baby drank. Remember that 1 cc = 1 gram.

After feeding, if their eyes are still closed, stimulate the anal area for 1 – 2 minutes by rubbing with a warm moist towel (or moist cotton ball or wet finger). This helps them pee and poop. Some people do this stimulation before feeding. If this is not done, they might get an over stretched bladder, which would give them medical problems when they get older.

The amount to feed depends on the age & weight. Here are numbers for orphaned rabbits (i.e., not getting any milk from mom) for each feeding:

- 0-1 week, 2 to 2 ½ cc
- 1-2 weeks, 5 to 7 cc
- 2-3 weeks, 7 to 13 cc
- 3-6 weeks, 13 to 15 cc

Some people feed as much as the baby will eat. The belly should be round but not tight. Others say you have to be careful not to overfeed them.

Weigh them every day. This is very important. If they are not gaining weight every day, increase the amount you feed. You can either increase the amount per feeding, or the number of feedings per day. If one or more of a litter is not gaining like the rest, that one can be fed more per feeding or more feedings per day. For example, if you are normally feeding morning & night but one is not gaining weight, feed it at mid day also.

Conversely, if one’s weight increases dramatically, that one can then get less food.
Babies less than 4 days old tend to eat very little during a feeding, thus you might need to feed every 2 hours. For other newborns & very thin babies, feed at least three times a day. Once their eyes open, as long as they are gaining weight, feed twice a day. At about 4 weeks, if they are eating pellets & hay (not just nibbling), change the feeding to once a day. If they are just nibbling, not really eating solid food, continue to feed formula twice a day.

When switching to once a day, feed the amount you would normally feed at one feeding (i.e., do not double the amount for the one feeding). That leaves room in their stomach for pellets & hay. When they are about 6 – 7 weeks old, stop feeding the formula. Do not taper down the formula amount. Or you can wait for them to stop eating formula on their own, which generally happens about 6-8 weeks of age. Some kits in a litter may stop eating formula before others in the same litter. At any time, if their weight does not continue to increase, feed more formula.

In some cases, you may be hand feeding because you think some or all of the litter are not getting enough milk from the mom. Later on, if things are improving, & you think they are now getting enough milk from the mom, you can stop hand feeding.

When the babies are older, you can switch to feeding them in a bowl rather than with a syringe. They should be 4 weeks old or older. If younger, there is a risk they can inhale the formula, which can kill them. To tell if they are developed enough, they should be stable on their hind feet when lifting their front feet off the ground to groom. Put the formula in a very low bowl. Watch them to make sure they don’t have problems. Have a suction bulb at hand. If they inhale the formula, suction their nose immediately. Once they finish drinking, remove the bowl. Do not let the bowl stay in their cage when you are not watching. If you leave it in, it is more likely the babies will run through it & bacteria will start to grow in it.

If you have a mom who is nursing her babies but the mom dies, you will have to feed the babies by hand.

Mothers can get pregnant immediately after giving birth, so they can have another litter when the 1st litter is about 4 weeks old. If this happens, be sure to remove the 1st litter. The mom will not have enough milk for both litters & the 1st litter might accidentally injure the 2nd litter. In this case, you’ll have to feed the 1st litter by hand. In any case, if you have to start feeding babies when they are older than 4 weeks, it’s best to not feed from a bowl immediately. Feed them from a syringe at least for a day to make sure they don’t have problems. If all is ok, you can then feed from a bowl.

The amount & how long to feed is an inexact science. The most important thing is to monitor their weight. Also, as they get older, notice how many pellets & how much hay
they eat. Check their bellies to make sure they are full. Make sure they are active, alert & bright eyed.

**Caring For Orphaned Babies**

Sometimes there will be babies that have no mother. Or some babies may have a mother but she might have no milk. In these cases, you could hand feed the babies (see How to Hand Feed with a Syringe) or you could find a nursing mother with babies about the same age. The nursing mother could then feed the orphaned babies. This is tricky but sometimes works.

This is also the case for older orphaned babies, about 2 – 3 weeks old. At this age, they might nibble on food. This might give the impression that they can eat on their own. But they will not be getting the calories that they need. They are growing quickly & need sufficient calories. Even at this age, their tummies should feel round & full. If not, they are not getting enough food.

In this discussion, “mother” means the nursing mother, “orphans” means the babies with no mother or with a mother that has no milk, and “original babies” means the babies of the nursing mother.

In the rescue community, what sometimes happens is that babies are orphaned & a call goes out to find a nursing mother. It could be many hours before one is found. By this time the orphans could be starving & cold. Thus, when transporting the orphans to the mother, be extremely vigilant about keeping the babies warm.

Once they arrive, more than likely, they will be cold & starving & need food quickly. First step is to warm them up (see Care of the Newborns). Do not feed them anything until they are warm. If you do, the food will just sit in their stomachs.

Sometimes, the baby might not have enough energy to nurse. In this case, using a syringe, put 1/2 drop of pure fruit juice (e.g., orange juice, no sugar), at room temperature, on their lips so they can lick it off. Wait 2 minutes. This will increase their blood sugar to give them enough energy to nurse or to accept the supplemental feeding.

Once the babies are warm, they then need food as soon as possible. For this first feeding, it’s best to give them a private feeding with the mother (see Private Feeding With Mom). After the feeding, hold the babies next to the mother so she can see them. She might lick them. That means she accepts them. But be very careful. She may reject them & try to harm them. She can tell they are not her babies from their scent.

If the mother accepts the babies, then they can be put into the nest with the original babies. If the mother does not accept the babies, here are some things to try. Keep the
orphans separate from the original babies & the mother. Put the fur (or soft fabric) from the original babies’ nest in with the orphans. Groom the mother & rub the orphans with that fur & put it in with the orphans. Take the mother out from her original babies & put the orphans in with the original babies (only if they are on a heating pad). Keep them there for awhile to get the original babies’ scent on them. Pet the mom to get her scent on your hands, then pet the orphans.

Put a bit of vanilla on the bridge of the nose of each orphan & original babies. This will make them all smell the same. Use a Q-tip to get the wax from the scent gland that's next to the anus of the mother. Put the wax on the bridge of the nose of each orphan. This will make them smell like her. Put a bit of vanilla on the bridge of the nose of the mother. This will make everything smell the same to her.

Then, once again, hold the babies so the mother can see them, as described above.

**Probiotics & Colostrum**

In addition to the stomach & intestines, rabbits also have a cecum that is used to digest food. It is the microorganisms in the cecum that actually digest the food. If the babies are nursing from a mother, they will naturally get these microorganisms. However, if the babies are without a mom when they open their eyes, they will need to have these microorganisms (called probiotics) given to them.

You can get these probiotics in one of two ways. Do not use both ways at the same time. The purchased probiotics causes the pH of the stomach to decrease, which will kill the probiotics in the cecotropes. The cecotrope option is much better, as it has the full complement of microorganisms the baby needs.

One way is to purchase them (e.g., BeneBac from PetAg). In this case, buy the kind labeled as “pet” or any mammal (e.g., dog, cat, equine) (don’t get the kind for birds or reptiles). Get the gel form. The fat in the gel form protects the probiotics from the digestion process. The powder form does not have this protection. To feed, put 1/4 gram on your finger so the baby can lick it off. Or you can put the same amount into 1 cc of formula & feed it that way. A small amount of formula is used here to make sure the baby gets all of the probiotics. If you can only get the powder, mix 1/8 teaspoon into formula & feed. Once the package (gel or powder) is open, it does not expire more quickly (store at room temperature).

Another way to get probiotics is to collect cecotropes from a healthy rabbit. This is difficult, but one way is to put an Elizabethan collar (plastic shield used to prevent an animal from scratching its head) on a rabbit at night & collect the cecotropes in the morning. They can be stored in the refrigerator (not freezer) for 3 days. Note that the cecotropes are covered in mucus to protect the microorganisms from the digestion process. Feed each baby 2 – 3 of the cecotrope pellets a day. To feed, put each individual pellet into the baby’s mouth for him to eat. This preserves the mucus which
protects the organisms’s trip through the stomach. Or put a whole pellet on your finger & offer this to the baby. Another way is to mush the pellets in your fingers & offer them to the babies. They might eat them. Another way is to put the mushed pellets in 1 cc of formula & hand feed each baby this amount.

Start feeding the probiotics 1 or 2 days after the babies open their eyes. If you wait longer, the pH of the stomach (which lowers as the baby gets older) might be too acidic for the probiotics to survive the trip to the cecum. Feed once a day (before feeding formula on that day) for 3 – 5 days (if using BeneBac) or for 3 - 4 days (if using cecotropes). After this, then it’s ok to offer the babies solid food. Do not give them solid food before this time. If at any time the babies develop mushy stool, you can give another course of probiotics.

Do not use the purchased kind before the eyes open. This kind lowers the pH in the stomach to help kill off the bad bacteria. If given when the babies are too young, it will lower the pH in the stomach too early in their life.

Colostrum is the first type of milk that the mother produces when she gives birth. Her milk will contain colostrum for up to 3 days. Colostrum is very nutritious & contains antibodies that will help the baby fight disease. When hand feeding babies, the nutrition they are getting is not quite up to par with mom’s milk, so colostrum is given for a longer time than they would receive from mom.

Colostrum can be purchased from a high quality health food store, in either powdered or capsule form (open capsules to use). Either is fine to use. Even though it is made from cow’s or goat’s milk, it is fine to use with rabbits.

If the babies had less than 3 days worth of mother’s milk, then they will need colostrum. Add 1 to 1.5 tablespoons (10 capsules) of colostrum to 1/2 cup of formula (or adjust for other amounts of formula; e.g., 1 teaspoon colostrum (2 capsules) for 2 tablespoons of formula). Some people let the mixture sit for a few hours (refrigerated) to let the colostrum soften. Use the formula within 24 hours. Use this mixture (formula + colostrum) on the first day & continue until the babies are at least 3 weeks old. To be on the safe side, you could also continue to feed them this mixture until they are 4 weeks old or even until they are weaned.

If you do not want to buy probiotics and colostrum ahead of time, as least find out what stores in your area sell them. You will then be able to quickly buy them when the need arises.

**Dehydration**

In very rare cases, a baby rabbit might be dehydrated. To check for dehydration, gently pull up on the skin over the shoulder blades to make a tent. If the skin returns to its normal position immediately, the rabbit is not dehydrated. If it takes a second, it’s 5%
dehydrated. If it takes more than 5 seconds, it’s severely dehydrated. If it never returns to its normal position, it’s time to make an emergency trip to the vet.

It’s quite subjective to decide if a rabbit is dehydrated enough to take action & rehydrate it. It rarely happens when doing foster care. If you decide a rabbit needs to be rehydrated, do it before feeding it any formula or letting it nurse. There are two rehydration options.

The first option is to give a rehydration solution (like Pedialyte) orally. It should be at room temperature or slightly warm (check on inside of wrist). Give this solution every 30 minutes until the rabbit is no longer dehydrated. While some people are concerned about the effects of the sugar (dextrose) in the solution on a baby rabbit, others have had success in using this type of solution.

Since a bottle of open Pedialyte lasts only 48 hours, it might be wise to buy a small bottle, or the powdered form. For the later, while some people use tap water, others use distilled or boiled water (bring to rolling boil & then let cool).

The other option is to give a rehydration solution (e.g., Lactated Ringer’s Solution) subcutaneously. The solution should be slightly warm (put bag in warm water) (check on inside of wrist). This should be done only if the rabbit is severely dehydrated, is not active, & is not drinking fluid or formula. Do this procedure every 2 hours until the rabbit is no longer dehydrated. This is a very tricky procedure on a very small rabbit so should only be done if you are trained & have advice from a vet.

A mammal normally drinks about 10% of its body weight a day. Thus, if an animal weighs 1000 grams, it would drink (1000 grams * 10%) 100 grams a day (which equals 100 cc). Use this to calculate the amount of sub-Q fluids to give. Calculate the total for a day, then divide by 3 & use that amount for each session. For a 100 gram baby, total for the day = 100 grams * 10% = 10 cc. Then divide by 3 to get about 10 cc/3 = 3 cc per session for a 100 gram baby. A dehydrated rabbit may need more than this but don’t give too much. Be sure to consult a vet.

Once the baby rabbit is rehydrated, you can then let it feed normally (nursing or hand feeding formula with syringe). If you are hand feeding formula, use the ratio of 1:2 (powder:water) as described under “How to Hand Feed with a Syringe”. Or, you can use the ratio of 1:1:1 (powder:water:Pedialyte). After the baby is very stable, you can use the ratio 1:1 (powder:water), if desired.

**Medical**

Medicine is not given to babies. It is given to the mother who then passes it on to her babies in her milk.
Find a veterinarian nearby who knows how to care for infant rabbits. Then, if there’s a problem, you’ll know where to go. Ask if they have experience tube feeding infant rabbits.

If any of the following occur, consider seeking immediate medical attention.

- body is cold
- white poop
- green poop
- stinky poop
- sticky poop
- diarrhea
- weight loss
- wrinkly skin
- lethargic
- eyes not open by 14 days old

A newborn with any of the above symptoms might still be very active. This is deceptive, as it appears the newborn is healthy. This is not the case. The newborn can be quite active but still have major medical problems.

The mother should be removed from the babies when they are 8 weeks old so they will stop nursing. To reduce the amount of change in the babies’ lives, after the mother is removed, it’s best to keep all the babies together. When the babies are 3 months old (3.5 months max), the sexes should be separated. However, if needed, it is fine to separate the babies by sex at 2 months, when they are separated from their mother.

After the mother has not nursed for 2 weeks, then she can be spayed. If she is spayed earlier, because of the milk production, there will be a lot of blood flow in the area around her nipples, which will make the surgery high risk. If any of the following are noticed, then the mom is still producing milk & should not be spayed yet: rope-like ridge under skin connecting nipples on each side; engorged nipples or hot belly.

After the mother has recovered from her spay, she can be put back in with the babies (if needed because of lack of cages). If possible, do not put her back in before she is spayed, as the babies might start nursing again. You still have to separate the sexes at 3 months.

If cage space is lacking, another alternative is to remove the male babies at 2 – 3 months but keep the female babies with the mother. The mother will often prevent the babies from nursing when it’s time to wean them. You can then adopt them together or as singles. The mother & babies often do not bond as a pair.
After a female rabbit is spayed, she should not be with a mature unaltered male for a full 2 weeks. This allows her time to heal inside. Otherwise, if there’s penetration before this time, she can be severely injured.

If the mother is spayed when she is nursing (not recommended), she can still produce milk after the surgery.

A rabbit can get pregnant immediately after giving birth. If a male & female are turned into a shelter together, it’s best to have the female spayed as soon as possible, as she is probably pregnant. But sometimes she gives birth before she can be spayed. If the male is still with her, she can then get pregnant again immediately after giving birth. If a mom & litter are turned into a shelter, you may not know the situation where she came from & she could be pregnant.

If you have any adult rabbit (especially male) in the same cage as a female with a litter, remove the other adult rabbit. Otherwise, he/she might hurt the babies. If you have any adult rabbit (especially male) & unaltered female in the same cage, remove the other adult. The female may be pregnant & you should not have the other adult in the cage when the babies are born.

When a litter is born in a shelter, in some cases, none of the babies survive the first day. In this case, the mom probably did not nurse the babies, so there is no extra blood flow in the abdominal area. Thus, she can be spayed very soon after that.

**Transportation**

Transporting baby rabbits (before their eyes are open) can be quite stressful for them. They can get cold very quickly & can easily go into shock. It is extremely important to keep them warm.

Before you start moving the babies, with clean, dry, warm hands, check to make sure all the babies are alive. It is ok to handle them briefly for this exam.

If the nest & babies are in a litter box, it's best to transport the whole litter box. But some places will not let you take the litter box. It’s best to call ahead to see what the situation is. If you can’t take the existing litter box, bring your own. This can be a plastic or disposable litter box, or even a cardboard box.

If using your own litter box, line the bottom with warm soft fabric. Then add bunched fabric around the sides so the babies will all stay together. Add more fabric as needed to keep them warm. Once the litter box is ready, then with clean, dry, warm hands, transfer the newborns & the mother’s fur all in one fell swoop. Put in as much of the mother’s fur as you can.
A litter box often will not fix into a carrier. Plan ahead & bring a cardboard box that’s large enough to hold the litter box. Before going outside with the box, cover it with a towel. Even a few moments outside in a breeze can chill the newborns. Put a portable heating pad under or next to the box during transport.

If there's plenty of room for the mom to be away from the babies, she can go in the box. Or, it’s perfectly fine for you to put her in a separate carrier.

What to bring when transporting newborns:
- carrier for mom
- towel in carrier for mom
- towel to put over carrier for mom
- nest box (can use litter box)
- soft fabric in nest box
- carrier (or cardboard box) for nest box
- towel to put over carrier for nest box
- portable heating pad for nest box
- water & portable water bowl (for mom, in case get stuck in traffic)

Other
If a rabbit is bred more than 8 hours after the 1st breeding, she could get pregnant a 2nd time (in the other horn of the uterus). This is harmful for all involved.

The act of giving birth takes about 30 minutes, but in rare cases individual babies can be born hours or days apart.

After giving birth, the mother sometimes will not nurse until the NEXT night.

When nursing, the mother rabbit will stand over the babies. She does not lie on her side like a cat or dog. The babies get underneath her to nurse & often nurse upside down, i.e., they are on their back & their feet are sticking up ... usually kicking wildly. They often switch teats every few seconds so it’s pretty much bedlam.

Some mothers pull fur even at 5 weeks after birth. That is fine.

The babies will usually open their eyes at 10 days, but can be between 9 and 11 days. At this time, they will also be able to hear. Before this time, they can only feel & smell. If the eyes are not open by day 12, take these steps to help open the eyes. Hold a warm, damp cloth on the eye. When it gets cold, re-warm it. Do this for 10 minutes. You can also put a couple of drops of sterile saline (e.g., contact lens solution) on the closed eye. With a very light touch, make sure the solution makes contact through the fur to the eye lid. Let it soak a bit. Then very gently wipe it with a damp cloth. If the eyes are not open by day 14, take the baby to a vet. If they don’t open soon after this, the baby might have permanent eye damage.
At about 5 weeks, the babies will be eating & also nursing. At about 7.5 weeks, they may stop nursing, but sometimes they nurse until removed from their mom. It is best to allow the babies to nurse until they are 2 months old. At that time, remove them from the mother to wean them. Also at that time, it’s a good idea to separate the sexes so you don’t have an “oops” litter. Or, since they don’t sexually mature until 3 – 4 months, it’s ok to wait until that time to separate the sexes (but be sure to keep track of their age).

Spend a lot of time with the babies so they will be well socialized & more easily adopted. Some babies can be very skittish. If you walk into their exercise area, they may run off scared. Here’s a way to reduce that. After cleaning up for the day, lie down on your back on the floor. Now that you’re not a “monster”, the babies will often come over to explore & jump on your body … maybe even play king of the mountain on your stomach. Another option is to sit with them (rather than stand). Then they can come over & jump in your lap. After doing this for several days, they are often less afraid when you walk in.

The mom should be eating alfalfa hay & alfalfa pellets when she’s nursing. After nursing has stopped & after she is spayed, keep feeding her alfalfa to get her weight back up. After her weight is at the proper value (maybe 1 month after weaning), you can slowly transition her off alfalfa hay/pellets to grass hay/pellets (e.g., Timothy). Do this by slowing adding more of the new hay/pellets to her diet.

Keep feeding alfalfa hay & alfalfa pellets to baby rabbits until they are 8 months old. At that time, if their weight is good, you can slowly transition them off alfalfa to grass hay & pellets (e.g., Timothy). If they are very thin, keep feeding them alfalfa until their weight is good.

This paper describes the care of domestic rabbits, which are descended from the wild rabbits in Europe (Oryctolagus cuniculus). Wild rabbits in the United States (Sylvilagus species) require surprisingly VERY different care. Care for wild rabbits is discussed in the following links. I’m told these links contain excellent information, although I can’t personally vouch for them.

http://curiousbunny.com/other_sites/squirrelworld/RabRehab.html
http://www.2ndchance.info/bunnies.htm

Here’s some information to help determine if a rabbit is domestic or wild. Here’s a picture of a wild rabbit: http://www.dreamstime.com/royalty-free-stock-images-wild-baby-rabbit-image6442059. Wild rabbits are almost always agouti (brown tweed with black ticking). The babies have a small white stripe on their forehead. Their faces are longer & thinner, with a more pointed nose & a wedge shaped head. They are smaller (only up to 3 pounds) & are much more hyperactive & nervous. They have very long
slender legs. Their ears are very thin at the tips (translucent) & narrow at the base. The tips of the ears are open almost all the way. Domestic rabbits have a dome-shaped forehead, a more rounded head, more prominent cheekbones (looks like chubby cheeks) & the tips of the ears are folded over a bit (parallel to the length of the ear).

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