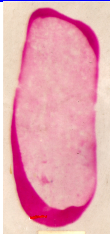
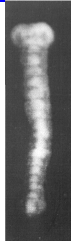
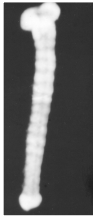
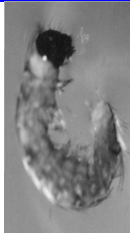


EGG HANDLING BY USING EMBRYO ISOLATION TECHNIQUE

- This technology is highly useful in handling Bivoltine pure, single hybrid & double hybrid eggs.
- In Bivoltine eggs artificial hatching can be obtained as and when required (10 days – 300 days)
- By using embryonic tools, the eggs can be preserved under different hibernation schedule without effecting the hatchability and cocoon production.
- This technology is very much useful in all the states where bivoltine rearing is being conducted.

1. Germ band (20-2 hours)	2. Diapause embryo (10-14 days)	3. Diapause Termination (100-110 days)	4. Longest embryo (36 hours in CB, after 3 days in intermediate temperature)
			
Ideal for acid treatment	Preservation in hibernation schedules	Release of hibernations eggs	Double refrigeration
5. Neural goove (40-42 h in CB, 3-4 h after releasing to 25°C)	6. Blastokinesis 4-5th day at 25°C	7. Pin head 8th day	8. Blue egg 9-10th day
			
Incubation	Avoid transportation	Black boxing	Exposure to light

Impact : ISTR(SSTL) perfected the protocol of egg handling based on the embryo isolation technique. The CSR bivoltine single and double hybrid loose eggs of NSSO and DOS egg production centres have sent more than 500 lots of eggs since 2011 for conducting the embryo test and release of eggs based on the results of embryo test. This is helping a lot in avoiding the hatching problems and improving the system of seed supply.