

TISSUE CULTURE ENDORSEMENT

The Illinois Junior Academy of Science

THESE RULES WILL BE STRICTLY ENFORCED FOR THE STATE SCIENCE EXPOSITION. NO REGION SHOULD SEND A PROJECT TO THE STATE EXPOSITION THAT DOES NOT MEET THESE REGULATIONS.

Students and sponsors doing a microorganism project must complete this form. The signature of the student or students and the sponsor indicates that the project was done within these rules and regulations. Failure to comply with these rules will mean the disqualification of the project at the state level. This form must follow the Safety Sheet in the project paper.

1. This area of science may involve many dangers and hazards while experimenting. It is the sole responsibility of all teacher(s)/sponsor(s) to teach students proper safety methods and sterile techniques.
2. The Illinois Junior Academy of Science prohibits the use of primary cell cultures taken from humans or other vertebrate animals in any project because of the danger from unknown viruses or other disease-causing agents that may be present. Established tissue culture cell lines that are characterized as requiring biosafety level 1 (BSL1) procedures and precautions may be obtained from reputable suppliers and used in proper research settings. Cell lines requiring biosafety level 2 (BSL2) procedures and precautions for use must have approval from IJAS prior to use OR be used in an established research facility.
3. Experiments using tissue culture cell lines must be conducted in a laboratory such as science classroom or research facility.
4. Projects involving tissue culture should be done with the help of a professional and should comply with the standards and principles for biological safety.
5. Experiments using tissue culture, including the culture of insect cells, with viruses and/or recombinant DNA must also follow the rules and regulations for these agents; one endorsement sheet detailing use of these agents together is acceptable.
6. All cultures should be destroyed by methods such as autoclaving or with a suitable NaOCl (bleach) solution before disposal.

In this space, identify and briefly describe the use of tissue culture cells in your project. Include the published name, source from which they were obtained, brief experimental procedure uses, safety precautions taken, disposal practices, and so forth. Use the back of this page if necessary.

The signatures of the student or students and sponsor below indicate that the project conforms to the above rules of the Illinois Junior Academy of Science.

The **signatures** of the student or students and sponsor below indicate that the project conforms to the above rules of the Illinois Junior Academy of Science.

(Sponsor)

(Student)

(Date)

(Student)

This Sheet Must Be Typed

This form MUST be displayed on the exhibitor's display board. It may be reduced to half a sheet of paper.



Check box if exception/approval letter is required and attached