

STUDY EVALUATION TEMPLATE
Biomarker / Imaging

Reviewer's Name:

Date of Evaluation:

Concept/BIQSFP ID Number and Title:

Instructions for Non-NCI Evaluators: You have been asked to provide an evaluation of the biomarker and/or imaging study associated with the phase 2 or phase 3 concept listed above. Your responsibilities as a reviewer consist of evaluating the proposed study and completing this form with your written comments by filling out the fields that follow each review criterion. A copy of the ***Biomarker/Imaging Study Evaluation Guidelines*** which includes the ***Study Checklist for Large Randomized Phase 2 and Any Phase 3 Trials with Biomarker Assays / Imaging Tests*** is attached for your review.

Please use the applicant's response to the *Study Checklist* to assist you in making your evaluation.

After completing this form, please save it to a new file, attach the form to an e-mail message referencing the concept/BIQSFP number, and forward the email to the CTEP, DCP, or CCCT Program Staff responsible for sending this evaluation. Submit your response at least 3 business days preceding the study evaluation conference call/meeting, so that all perspectives may be shared and your written comments viewed by other evaluators of this study. You will likewise be provided access to the written comments of the other evaluators.

Criteria for Review and Prioritization of Essential Biomarker & Imaging Studies

1. The strength of the preliminary data for feasibility, utility, and performance characteristics

Strengths:

Weaknesses:

- 2. The potential of the test to change practice and have high impact on patient care (i.e.; the potential impact of the test itself or the potential change of therapy indicated by the results of the trial)**

Strengths:

Weaknesses:

- 3. The ability of the test to yield well defined and validated interpretations that will guide decision-making**

Strengths:

Weaknesses:

- 4. The extent of standardization of the tests as to be transferable to the non-research setting**

Strengths:

Weaknesses:

- 5. The adequacy of the process for specimen collection and processing including feasibility data**

Strengths:

Weaknesses:

- 6. A description of potential cost-sharing approaches that can be developed with entities that would eventually commercialize the test**

Strengths:

Weaknesses:

7. Based on the definitions provided and on your evaluation of the study do you consider this test(s) to be **INTEGRAL* or **INTEGRATED* (see * below) to the associated clinical concept and why?

- ***Integral studies** - Defined as tests that must be performed in order for the trial to proceed. Integral studies are inherent to the design of the trial from the onset and must be performed in real time for the conduct of the trial. Integral biomarkers require a CLIA-certified lab. Studies that can be conducted in the future on stored specimens will not be eligible for supplemental funding, except if the results are critical to the stated primary or secondary objectives of the trial.
- ***Integrated Studies** – Defined as tests that are clearly identified as part of the clinical trial from the beginning and are intended to identify or validate assays or markers and imaging tests that are planned for use in future trials. Integrated studies in general should be designed to test a hypothesis, not simply to generate hypotheses. Integrated studies are tests performed in real time and include complete plans for specimen collection, laboratory measurements and statistical analysis. One example would be predictive marker assays that are measured either *in vitro* or *in vivo* on all cases but where the assay result is not used for eligibility, treatment assignment, or treatment management in the current trial; a second example would be the use of an imaging test to detect biologic modification of the target but where the image is not used as a primary study endpoint.

8. It is not intended that any priority or particular level of merit be assigned to one of the previous criteria over another. Based on the strength of the information presented and your scientific judgment, is your level of enthusiasm for the study:

High

Mild

1

2

3

4

5

9. Please comment on the attached Budget and justification. Provide recommendations if needed.

It is understood that by agreeing to assist in this evaluation, you have no conflicts of interest with this concept. In addition, all unpublished information, reports, and discussions are strictly confidential.